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## **College Catalog**

Welcome to the IVCC College Catalog for the 2018-2019 academic year. We are pleased to provide an interactive and searchable catalog online. This is one way we encourage you to "go green" and utilize the resources available on the internet. If you would like to have printed information, we invite you to take advantage of the click-to-print technology that will allow you to print the sections that you need.

We welcome your feedback and suggestions to make this catalog better for the future. Feedback may be provided through the input boxes across campus or to Mark Grzybowski, Associate Vice President for Student Services at [mark\\_grzybowski@ivcc.edu](mailto:mark_grzybowski@ivcc.edu).

If you are looking for a previous year's catalog, a hard copy is available for viewing in the Counseling Center.

The 2017-2018 online catalog is archived here (<http://catalog.ivcc.edu/previous/2017-2018>).

## Welcome

### Office of the President

As the college's tenth president, I have the distinct honor of welcoming you on behalf of our board of trustees, faculty, staff, and administration to Illinois Valley Community College. Since 1924, IVCC has proudly earned the reputation of being a high-quality teaching and learning institution.

Although the nation's first public junior college was established in 1901 with the primary goal being to offer the first two years of postsecondary education to students who would eventually transfer to a senior college or university, it was the Truman Commission on Higher Education in 1947 that recommended "junior" colleges become "community" colleges and serve as active centers of education by responding to the needs of the communities they serve. To that end, IVCC is a comprehensive community college that offers something for everyone: adult basic education, developmental and remedial education, vocational and technical training leading to employment, baccalaureate education for students planning to transfer to a senior college or university, workforce development, and continuing education.

The Truman Commission also concluded that the opportunity to pursue postsecondary education was too often determined by economic factors like family income and the costs associated with living away from home while in college. With that in mind, IVCC's administration and board of trustees remain mindful of the need to keep tuition and fees affordable while offering student-centered programs and services that are of great value.

There was a time when a high school diploma was the minimum qualification for many relatively high paying jobs, however, that has changed. Two-thirds of today's jobs require postsecondary education. Literacy and numeracy skills are necessary in order to participate in a competitive work environment and complex society.

If your goal is to enroll in college courses with the intent of earning an associate degree and possibly a baccalaureate degree, or earning a professional certificate with a new skill set that will lead to immediate employment, or if you are simply interested in taking courses for pleasure, no place like IVCC can take you so far. Our award-winning faculty and dedicated staff stand ready to assist in helping you achieve your academic and career goals. We are committed to life-long learning.

My hope is that you will take advantage of the wonderful opportunities we have to offer at Illinois Valley Community College. Begin your educational journey with us today and we will do our best to exceed your expectations!

Sincerely,

Dr. Jerry Corcoran  
President

#### IVCC Profile

Address: 815 N. Orlando Smith Road  
Oglesby, IL 61348-9692  
Phone: (815) 224-2720  
Fax: (815) 224-3033  
Web site: [www.ivcc.edu](http://www.ivcc.edu)

Founded: In 1924 as LaSalle-Peru-Oglesby Junior College;  
renamed Illinois Valley Community College in 1966.

Enrollment: 8,000 per year

Faculty: 76 full-time, 128 part-time (FTE)

Total Employees: 181 full-time; 213 part-time (FTE)

Service area: IVCC serves approximately 148,800 residents in its 2,000 square mile district, No. 513. The district encompasses most of LaSalle and Putnam counties as well as the majority of Bureau County and small parts of Lee, DeKalb, Grundy, Livingston and Marshall counties.

District 513 High Schools (20): DePue, Earlville, Hall, LaMoille, LaSalle-Peru, Marquette Academy, Mendota, Ottawa, Princeton, Putnam County, St. Bede Academy, Serena, Streator, Woodland, and

LaSalle Peru Christian. High schools partially in IVCC's district are: Bureau Valley, Fieldcrest, Henry-Senachwine, Midland and Seneca.

Locations: Aside from its 425-acre Oglesby campus, IVCC offers day and evening classes at the IVCC Ottawa Center, its downtown satellite site. Night classes are offered at Princeton, LaSalle-Peru, Ottawa, Streator and Mendota high schools and other locations.

Curriculum: IVCC's comprehensive offerings include Associate in Arts, Associate in Science and Associate in Engineering Science and Associate in Arts in Teaching in Early Childhood Education transfer degrees, 24 Associate in Applied Science (career) degrees designed for employment after two years, and 45 certificate programs enabling students to gain employment in two years or less.

### IVCC History

Illinois Valley Community College, nestled atop a tree-lined bluff overlooking the Illinois River south of LaSalle-Peru, opened its doors in 1924 as LaSalle-Peru-Oglesby Junior College (LPO JC).

With local residents' support, on April 24, 1924 the LaSalle-Peru High School Board approved a resolution to create the college and less than five months later LPO JC welcomed 32 freshmen, seven faculty and two administrators.

LPO's mission was to "... lay the foundations for successful careers in vocational, social, and political fields." At just \$16 per semester, tuition and fees enabled students to bypass four costly semesters at a university far from home.

LPO's first director, Dr. Thomas J. McCormack, a Princeton University graduate, was recognized as one of the nation's outstanding educators. IVCC honors his memory each year by nominating top students as "McCormack Scholars." Dr. McCormack, a scholar to the end, reportedly died with a book in his hands in 1932.

Dr. Frank Jensen, a lifelong advocate for a fully tax-supported, tuition-free community college system in Illinois, served as LPO's director from 1935 to 1947. Francis Dolan and R. Earl Trobaugh joined the LPO teaching staff in the 1930s and later served as Presidents.

In 1950, the local community raised enough money to send LPO's football team to the Gold Dust Bowl in Vallejo, California. Though the team lost to California's Santa Rosa Junior College, the invitation was the athletic highlight of LPO's first 25 years and the college honored the team in 2002.

On July 1, 1966, the College name was officially changed to Illinois Valley Community College. By the fall of 1968, the college moved to its current pastoral setting in the heart of the district. On October 21, 1967, District 513 voted 10-1 (20,527 "yes" to 2,189 "no") in favor of an \$8.25 million referendum to finance the beginning of IVCC. On September 9, 1968, the first college classes convened in 12 temporary buildings across the river as the new \$20 million permanent campus was constructed overlooking the bluff. The permanent campus was dedicated in October 1972.

In May of 1974, Dr. Alfred E. Wisgoski, an LPO alumnus and graduate of Northern Illinois University, was named the college's seventh President, a position in which he remained for 22 years. Dr. Wisgoski was committed to a comprehensive community college with an open-door policy.

Under Wisgoski's leadership, partnerships were built to better serve business and industry. These partnerships and new technical programs prompted IBM to identify IVCC as a business partner in preparing manufacturing industries to convert to computer integrated assembly systems. Of the IBM agreement signed in 1988, Wisgoski said, "this agreement guarantees IVCC will offer the very best in high technology training to our students on equipment better than that found in all but a handful of the nation's community colleges." IBM donated over \$1.2 million in equipment to IVCC, and the college has remained a leader in technology ever since.

Dr. Jean Goodnow, a graduate of the University of Iowa, was named IVCC's eighth President in April 1996. A master plan for facility renovations, new construction and infrastructure upgrades was developed a year later. In 1998, \$4.2 million in Technology Funding Bonds were sold for computer network and telecommunications

infrastructure improvements and the provision of hardware and software for a college-wide interactive information system.

During Goodnow's tenure, the college received in excess of \$15 million in grants. Nine new career programs were developed including forensics, one of only five in the nation's community colleges. To further expand resources, a Development Office was established and the assets of the IVCC Foundation grew from \$1.7 million in 1996 to \$2.6 million in 2004.

In the fall of 2000, IVCC opened an Ottawa Center at Marquette High School to better serve the students on the east side of the district.

Goodnow left IVCC in 2005 for the presidency at Delta College near Bay City, Mich., and Dr. Charles "Chuck" Novak was appointed interim president. Novak was IVCC's first director of Continuing Education in the 1970s and was the longtime president at Richland Community College in Decatur.

After a nationwide search, Dr. Larry Huffman, a University of Illinois graduate, was appointed IVCC's ninth president in 2006. Huffman served as Dean of Student Development at IVCC from 1974 to 1977.

Dr. Huffman resigned in 2007 and Dr. Dave Louis, former president at Kishwaukee Community College, was appointed interim president.

On March 18, 2008 Dr. Jerry Corcoran was appointed IVCC's 10<sup>th</sup> president. Since being promoted from Vice President for Business Services and Finance, Corcoran has led several significant initiatives including:

- Acquiring \$22.8 million in state capital development funding for the Community Instructional Center project. The scope of the project included construction of an 80,000 square-foot Peter Miller Community Technology Center, which opened in 2013 as a new location for nine career programs, the Business Training Center, Adult Education, and a one-stop site for all enrollment services such as admissions, financial aid and counseling.
- The new technology center also led to an opportunity to repurpose vacated areas into much-needed student-life space and a beautiful cyber café.
- Leading a \$2.1 million capital campaign for Community Technology Center enhancement. A gift of \$1 million was made by representatives of the Miller Group Charitable Trust in honor of Peter Miller, Jr. and his son, Pete Miller.
- Announcing an historic partnership with MAG IAS and Caterpillar which resulted in major equipment donations to the College including a new \$300,000 verticle machining center and a \$600,000 horizontal machining center to be retrofitted with cyrogenic technology.
- Constructing the Truck Driver Training Center, the first new building on campus in 29 years.
- Adding 300 parking spaces much closer to the main campus, an ADA-only parking lot near the technology center main entrance, and the repaving of the entire east campus lot.
- Opening the first day- and evening-class satellite center in IVCC's 94-year history, Ottawa Center. The center has served over 6,000 students.
- Record-breaking enrollment. By 2010, IVCC was serving 8,361 credit students and 3,818 non-credit students.
- Recruiting the district's top students. Over the last eight years, IVCC has attracted 38 valedictorians, 25 salutatorians and 13 students in the top two percent of their class
- Leading a \$700,000 endowment campaign in order to assist motivated students with unmet financial needs.

IVCC continues to prepare students for solid futures and the ever-changing needs of area employers.

For a more detailed history of the college through 1994, see:

*IVCC: The First 70 Years* by Elizabeth Cummings and Bill Danley.

## Our Mission

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IVCC teaches those who seek and is enriched by those who learn.

## Our Vision

Leading our community in learning, working and growing.

## Curricular Purposes

Illinois Valley Community College sets forth the following curricular purposes consistent with its mission.

1. We offer baccalaureate courses and associate degree level work, including general education, in preparation for upper division degrees conferred by four-year degree-granting colleges and universities.
2. We offer appropriate courses and applied associate degree and certificate level work, including general education, in vocational and technical areas of study directed toward the acquisition of new skills or the furthering of proficiency in skills to meet current and emerging employment needs.
3. We offer appropriate courses for a two-year general studies degree program to meet individual needs of students when such programs are not related to career education or baccalaureate parallel program.
4. We offer continuing education for working professionals and appropriate developmental and preparatory courses designed to aid the student in realizing a successful experience in higher education.

## Programs and Services

Illinois Valley Community College provides programs and services pertinent to the success of students enrolling at the college, community groups, organizations and individuals.

1. We offer comprehensive instructional support and student development services to assist students in discovering, establishing, and attaining their educational, vocational, and personal goals.
2. We offer a comprehensive program for students of co-curricular activities designed to promote and encourage cultural improvements, citizenship responsibilities and physical and social skills.
3. We offer a comprehensive program to accommodate the special academic, social and physical needs of students.
4. We offer cultural awareness and understanding of diversity within our global community by providing cultural and recreational leadership and enrichment activities.
5. We offer community service efforts to provide support to business, industry, agriculture, education and social agencies in order to meet community needs and assist in economic development.



## Academic Calendar

### Fall 2018 Term

Date	Event
August 13 (M)	In-Service
August 14 (T)	New Student Convocation
August 15 (W)	CLASSES BEGIN
August 21 (T)	Last day for refund for 1st 8-week classes
August 28 (T)	Last day for refund 16-week classes
September 3 (M)	Labor Day (College Closed)
September 10 (M)	Midterm 1st 8-week classes
September 24 (M)	Last day to withdraw 1st 8-week classes
October 5 (F)	Development Day (No Classes)
October 8 (M)	Midterm 16-week classes/First 8-week classes end
October 9 (T)	Second 8-week classes begin
October 15 (M)	Last day for refund 2nd 8-week classes
October 18 (R)	Project Success & Veterans registration begins for Spring
November 1 (R)	Midterm 2nd 8-week classes
November 5 (M)	Last day to withdraw 16-week classes
November 7 (W)	Spring Registration begins (Online at 9am, In-person/phone at 10am)
November 12 (M)	Veteran's Day Observed (College closed)
November 16 (F)	Last day to withdraw 2nd 8-week classes
November 21-24 (W,R,F,S)	Thanksgiving Break (College Closed)
November 26 (M)	Classes resume
December 4,5,6,10 (T,W,R,M)	Evening Semester Exams
December 6,7,10,11 (R,F,M,T)	Day Semester Exams
December 14 (F)	Final Grades due in Records Office at 10am/ Semester Ends
December 14 (F)	Faculty Break begins
December 18 (T)	College Closes and Staff Break begins at 4:30pm

### Spring 2019 Term

Date	Event
January 2 (W)	Staff Return
January 8 (T)	In-Service
January 9 (W)	CLASSES BEGIN
January 15 (T)	Last day for refund 1st 8-week classes
January 21 (M)	Martin Luther King Jr. Day (College Closed)
January 23 (W)	Last Day for Refund for 16-week classes
February 4 (M)	Mid-Term 1st 8-week classes
February 18 (M)	President's Day (College closed)
February 19 (T)	Last day to withdraw 1st 8-week classes
March 5 (T)	Midterm 16-week classes
March 7 (R)	First 8-week classes end
March 8 (F)	Development Day (No Classes)
March 11-14	Spring Break for Faculty & Students (No Classes)
March 15-16	Spring Break for Faculty, Students, & Staff (College Closed)
March 18 (M)	Second 8-week classes begin
March 19 (T)	Project Success & Veterans registration begins for Summer & Fall
March 22 (F)	Last day for refund 2nd 8-week classes
April 4 (R)	Summer Registration begins (Online at 9am, In-person/phone at 10am)
April 8 (M)	Last day to withdraw 16-week classes
April 10 (W)	Midterm 2nd 8-week classes

April 11 (R)	Fall Registration begins (Online at 9am, In-person/phone at 10am)
April 24 (W)	Last day to withdraw 2nd 8-week classes
May 6,7,8,9 (M,T,W,R)	Day Semester Exams
May 1,2,7,13 (W,R,T,M)	Evening Semester Exams
May 15 (W)	Final Grades due in Records Office at 10am
May 18 (S)	Semester Ends/Commencement

### Summer 2019 Term

#### Summer A (Main Campus)

##### May 20 - June 11

Date	Event
May 20 (M)	Summer A Begins
May 21 (T)	Last Day for Refund - Summer A
May 30 (R)	Midterm - Summer A
June 5 (W)	Last day to Withdraw - Summer A
June 11 (T)	Summer A Ends
June 13 (R)	Grades Due - Summer A

#### Summer B (Main Campus, No Fridays)

##### June 12 - August 7

Date	Event
June 12 (W)	Summer B Begins
June 18 (T)	Last day for Refund - Summer B
July 10 (W)	Midterm - Summer B
July 24 (W)	Last Day to Withdraw - Summer B
August 7 (W)	Summer B Ends
August 9 (F)	Grades Due - Summer B

#### Summer OC (Ottawa Center Only, No Fridays)

##### June 3 - July 29

Date	Event
June 3 (M)	Summer OC Begins
June 6 (R)	Last Day for Refund - Summer OC
June 27 (R)	Midterm - Summer OC
July 15 (M)	Last Day to Withdraw - Summer OC
July 29 (M)	Summer OC Ends
July 31 (W)	Grades Due - Summer OC



## Academic Support Services

The Division of English, Mathematics and Education offers a variety of academic support services and resources designed to assist students in meeting their educational goals and in maximizing their potential for academic success.

### Math Learning Center

- B-201
- (815) 224-0497
- mary\_black@ivcc.edu
- emily\_lesman@ivcc.edu
- <http://www.ivcc.edu/MLC/>

### Fall Semester Hours:

- Monday, Wednesday, Friday
- 8:00 a.m.-3:30 p.m.
- Tuesday & Thursday
- 8:00 a.m.-2:00 p.m.
- Monday & Wednesday Evenings
- 6:00 p.m.-8:30 p.m.

### Spring Semester Hours:

- Monday - Friday
- 8:00 a.m.-2:00 p.m.
- Monday & Wednesday Evenings
- 6:00 p.m.-8:30 p.m.

### Summer Semester Hours:

- Monday - Thursday
- 8:00 a.m.-Noon
- Monday & Wednesday Evenings
- 6:00 p.m.-9:45 p.m.

The Math Learning Center offers courses in Basic Algebra, Intermediate Algebra, Geometry and Technical Math. These courses are designed to help students improve the math skills needed for college level math.

The center provides individualized instruction through textbooks, computer software and one-on-one help. Students receive an assignment sheet and testing schedule. Materials are available for improving study skills and reducing math anxiety.

The Math Learning Center also offers courses at the Ottawa Center, Streater High School, and Princeton High School if enrollment allows.

MLC Ottawa Center meets on Monday, Wednesday, Friday mornings or on Wednesday evenings.  
MLC Princeton meets on Tuesday evenings at Princeton High School.  
MLC Streater meets on Tuesday evenings at Streater High School.

## Disability Services

- Room C-211
- (815) 224-0284 or 224-0634
- tina\_hardy@ivcc.edu
- <http://www.ivcc.edu/disability/>

Academic accommodations for students with disabilities are available through the office of Disability Services, located in C-211. **Students must request academic accommodations.** The need for those accommodations must be validated by documentation and/or supporting evidence that the student must provide. Accommodations are determined on a case-by-case basis based on individual need and course expectations.

## Transitional Services

- Coordination with high school and/or previous college or agency when requested

- Assistance with admission and registration procedures. College visits and informational sessions can be coordinated with area high schools.
- Testing accommodations for IVCC's placement testing

## Academic Accommodations

- Testing accommodations
- Note taking services
- Scribes
- Assistive technology
- Alternate text format
- Sign language interpreters

## Support Services

- Individual study assistance/guidance
- Check-in appointments and academic coaching
- Campus-wide learning resource referrals
- Referrals for evaluation

Information regarding documentation guidelines and forms, initially acquiring services, and accommodation processes for current students can be found at <http://www.ivcc.edu/disability/>.

## Learning Commons

### Peer Tutoring

- Room D-201
- (815) 224-0479
- <http://www.ivcc.edu/tutoring/>

The Peer Tutoring Center is a learning assistance program that helps students meet their goals. The center offers peer tutoring at no extra cost to IVCC students. Peer tutors provide individual and small group academic support when students need extra help to:

- understand daily assignments
- review course material
- develop effective study skills for a course

## Writing Center

- Room D-201
- (815) 224-0637
- <http://www.ivcc.edu/writingcenter>

The Writing Center is a **free** service available to all registered part-time and full-time IVCC students for help at any stage of the writing process. Students can make an appointment, or walk-ins are welcome if a tutor is free.

The Writing Center offers:

- One-on-one interaction with a qualified peer tutor or English instructor
- Help with:
  - brainstorming or outlining
  - large-scale revisions, like organization and development, and small-scale revisions, like style and sentence structure
  - grammar and punctuation
  - MLA, APA, or Chicago documentation
- Multiple handouts on numerous essay and writing subjects
- English Language Learners conversation partners
- Online help for students enrolled in online courses
- As many sessions as the student desires throughout the semester

## Student Help Desk and the Learning Commons

- Room D-201
- (815) 224-0318
- <http://www.ivcc.edu/studenthelpdesk>

The Student Help Desk offers a wide range of personalized computer technology assistance. Whether you are enrolled in a computer course or just need to use a computer to complete your coursework, the staff can assist you in learning the appropriate application. The computers in the Learning Commons are equipped with Microsoft Windows 7 or 10 operating systems and Microsoft Office 2013 or 2016 (both ProPlus and Professional) in addition to other specialized applications from other departments including, CAD, accounting, and programming. The Learning Commons also provides several resources for you to enjoy your learning experience: Internet access, scanners, printers (black/white and color), headphones, and two MAC computers.

### WebAdvisor

The Student Help Desk offers workshops and support throughout the academic year. Help resources are also available online at <http://www.ivcc.edu/webadvisor>.

### Office 365 Student Email

The Student Help Desk offers workshops and support ongoing throughout the academic year. Help resources are also available online at <http://www.ivcc.edu/email>.

## IVCC Education Lab/Resource Center

The Education Lab/Resource Center is located in D-208 and provides a variety of educational resources and supplies for IVCC students to utilize for course projects/assignments. ECE faculty offices are located within this space. It is also a great place to network with other education students and provides quiet spaces for reading/studying. The resources include:

- Computers and iPads
- Printer and copier
- Accu-Cut machine with a variety of die-cuts
- Laminating machine
- Book binder
- Education resource books
- Educational journals and magazines
- Parenting resources
- Children's books
- Educational supplies (construction paper, poster board, bulletin board paper, markers, glue, art supplies and much more ...)

The days and times of availability are based on faculty schedules each semester. Call Tammy Landgraf (ECE Program Coordinator) at 815-224-0477 or e-mail [Tammy\\_Landgraf@ivcc.edu](mailto:Tammy_Landgraf@ivcc.edu) ([tammy\\_landgraf@ivcc.edu](mailto:tammy_landgraf@ivcc.edu)) if you would like to request a specific time to have access to the Resource Center and Lab.

## Campus Technology

### Classroom & Meeting Room Technology

The College is committed to providing students with technologies they can expect to encounter in the workplace or at other higher education institutions. Lecture classrooms include presentation technologies. There are over 800 student computers on campus, including the open computers in the Learning Commons and Library.

### Wireless Access

(815) 224-0318  
<http://www.ivcc.edu/studenthelpdesk>

Wireless access is available to all students on their own devices. A student's IVCC network credentials will be required to log into the IVCC Wi-Fi. The wireless service is supported across campus.

## Computer Accounts

(815) 224-0318  
<http://www.ivcc.edu/studenthelpdesk>

Students enrolled in a college credit course will receive access to

- a computer network account with secure file storage
- an email account
- WebAdvisor Student Information System
- Blackboard Learning Management System
- Jacobs Library online resources

## Online Campus Services

<http://www.ivcc.edu>

The IVCC home page is the door to services available anytime of the day or night. Students may look at updated program guides, apply to the college, search class schedules, pay tuition bills, purchase textbooks, conduct library research, check schedules of events, and participate in classes. New online services are added frequently. Quick access to many of the services is available at <http://www.ivcc.edu/>.

## Jacobs Library

<http://www.ivcc.edu/library>  
(815) 224-0306

Jacobs Library provides resources to enhance the IVCC learning programs and services that enable our community to seek, evaluate, and use information. Access to international information sources and culturally enriching materials is provided through traditional library resources and through an extensive array of online information sources, including

- Books
- eBooks
- Audiobooks
- Periodicals
- Online periodical databases
- Videos

Through the Jacobs Library Web page ([www.ivcc.edu/library](http://www.ivcc.edu/library)) students and community members benefit from access to magazine and journal articles and article indexing from thousands of periodicals. The Jacobs Library Online catalog is shared by over 75 I-Share academic libraries in Illinois. IVCC students use many of the same information tools available in Illinois four-year universities.

A fully equipped instructional lab is located in the library and is used to teach research and information literacy skills to students. When not scheduled, the lab is open for use by students. A number of other computers are available outside the lab. To facilitate research and group study, the wireless connection in the library gives students Internet access. They may check-out one of the library's laptops or they may bring one of their own devices. Student copy machines are also located in the library.

More information, including operating hours, is available on the library Web site.

## Accreditation

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### Accreditation Contacts

Illinois Valley Community College is accredited by the:

**Higher Learning Commission**

230 South LaSalle Street, Suite 7-500

Chicago, IL 60604

(800) 621-7440

<https://www.hlcommission.org/>

IVCC is approved by:

**The Illinois Community College Board**

<https://www.iccb.org/>

IVCC is a member of:

- The American Association of Community Colleges
- The National League of Nursing
- American Welding Society
- National Institute for Automotive Service Excellence
- National Automotive Technicians Education Foundation
- National Association for the Education of Young Children

### IVCC Accreditation Contact Information

**Deborah Anderson**

Vice President for Academic Affairs

(815) 224-0405

[deborah\\_anderson@ivcc.edu](mailto:deborah_anderson@ivcc.edu)

**Dawn Watson**

Administrative Assistant

(815) 224-0406

[dawn\\_watson@ivcc.edu](mailto:dawn_watson@ivcc.edu)

## Admissions Tuition and Fees

Illinois Valley Community College has an "open door" admission policy. Any high school graduate or mature person with equivalent educational background is eligible for admission. Admission to most programs is open. Some programs have additional requirements for admission. Please refer to the specific program for details.

- **"Full-time"** status is equivalent to 12 semester hours or more in a semester.
- **"Part-time"** status is equivalent to 11 semester hours or less in a semester.

**If you have never completed high school:** You may enroll for part-time or full-time. (Students who have discontinued high school may enroll after their high school class has graduated or may obtain a certificate of severance from the superintendent or principal in the high school district in order to begin IVCC courses earlier.)

**International Students** are strongly urged to have a local sponsor in the IVCC district at the time of application. Admission requests should be made directly to the Admissions Office. Specific requirements will be mailed. International student packets and forms are available at [www.ivcc.edu/admissions](http://www.ivcc.edu/admissions). All forms, requirements, and information must be completed before the Form I-20 is issued.

**High School Student Enrollment:** It is the policy of the Board of Trustees of Illinois Valley Community College that current high school students, ages 16 and older, will be permitted to attend IVCC. Such students wishing to take college courses during the regular high school day must submit written authorization from their designated high school official detailing the number of courses and/or semester hours and the particular courses for which the student wishes to enroll. Additionally, such students must take and pass any necessary placement exams. Transfer-related questions can be discussed with an IVCC counselor.

Students under the age of 16 who wish to enroll in any courses must petition the interim Associate Vice President for Student Services. Information, including the appropriate forms, can be obtained by calling (815) 224-0361 or contacting Crystal Credi ([linda\\_hawkins@ivcc.edu](mailto:linda_hawkins@ivcc.edu)) in Student Services, Room CTC 202A.

Students who are at least 16 years of age who no longer attend high school and do not have verification of a severed relationship with their high school must wait until their high school class graduates to enroll at IVCC.

**Home schooled students:** Students who have been home schooled must provide transcripts and/or GED scores (if available). Students not having either of these documents must contact the Office of Admissions and Records.

Students must take any necessary placement exams. Transfer-related questions can be discussed with an IVCC Counselor.

Home schooled students who wish to enroll in any courses before their official completion of high school curriculum must follow the same process as listed above.

- \* Exceptional circumstances may be reviewed by petitioning the Associate Vice President for Student Services. The form for appeal is available in the Counseling Center and the Admissions Office.

## A Guide to Enrollment

### Step 1. New Student Enrollment Form.

All students who wish to enroll at Illinois Valley Community College must submit a completed New Student Enrollment Form. The completed form must be returned by mail or in person to:

Admissions Office  
Illinois Valley Community College  
815 N. Orlando Smith Road  
Oglesby, IL 61348

Forms are available at area high schools, from IVCC's Admissions Office or online at [www.ivcc.edu/apply/](http://www.ivcc.edu/apply/).

### Step 2. Send transcript.

Arrange to have official high school or any college transcript sent to the Admissions Office. **Transcripts are required.** They play a very important role in the counseling process. If you have earned a G.E.D., test results must be submitted to the Admissions Office. Students in high school should submit American College Test (ACT) results.

### Step 3. Apply for financial aid/scholarships.

Apply for financial aid to help make college more affordable. Students must complete the Free Application for Federal Student Aid (FAFSA), available in the Financial Aid Office, at high schools, or online at [www.fafsa.gov](http://www.fafsa.gov) (<http://www.fafsa.ed.gov>). Be sure to visit our financial aid Web site at [www.ivcc.edu/financialaid](http://www.ivcc.edu/financialaid). The IVCC Foundation scholarship directory and application, due in February, may be accessed online at <http://www.ivcc.edu/foundation>.

### Step 4. Set up IVCC Student Email & WebAdvisor Account.

Go to [www.ivcc.edu/webadvisor](http://www.ivcc.edu/webadvisor) and select "Request a WebAdvisor Account". Fill out the appropriate fields and remember to check the box requesting an IVCC Email account. Students are required to check this email account. All official electronic correspondence from IVCC will only be sent to the IVCC Student Email account.

### Step 5. Take placement exams.

The college accepts the responsibility of assisting students in the selection of courses and programs that will be in the student's best interest. Required tests in reading, writing, math and computer skills are offered at area high schools and at IVCC. First-time, full-time students and students planning to enroll in English or math must take placement exams. Contact the Assessment Center at (815) 224-0542. Students with special needs should contact Tina Hardy at (815) 224-0284 to schedule testing.

### Step 6. Meet with a counselor.

All incoming First Time, Full Time high school students are required to meet with an IVCC counselor through the New Student Counseling & Registration program.

Other prospective students are encouraged to make a counseling appointment by calling (815) 224-0360. A counselor will help plan the first semester class schedule and an overall educational plan. **Course prerequisites will be enforced through the registration process.**

### Step 7. Register for classes.

After a counseling appointment, course registration forms should be taken to the Office of Admissions and Records where course selections are entered by an Enrollment Services Assistant. A registration/fee statement is generated and given to the student. Students registering through WebAdvisor will receive a statement and are responsible for adhering to payment deadlines.

### Step 8. Pay tuition and fees.

Pay tuition and fees or make arrangements for payment by the dates listed on the fee statement. A payment plan is available.

### Step 9. Attend New Student Convocation or Spring Preview.

New students for the Fall semester should attend New Student Convocation. New students for the Spring semester should attend Spring Preview. These days are designed to familiarize the student with the college, meet classmates and staff, and prepare for the first day of classes!

It is highly recommended all students have an IVCC photo I.D. Contact the Admissions & Records Office at (815) 224-0448 for information.

## Tuition and Fees

### Tuition\*

Students shall pay \$125.60 per credit hour for tuition if they are residents of District 513. (The Illinois Valley Community College Board of Trustees reserves the right to change tuition at any time.)

Students whose permanent residence is outside District 513 but who are live-in guests of a sponsor who resides within District 513 shall be charged the in-district tuition and fees for credit courses in which they register at IVCC.

The student must provide the Office of Admissions and Records with their in-district address.

Students who reside outside of District 513 but who have been employed at least 30 days and work 30 hours or more per week within District 513 must provide a letter from their employer supporting this.

Legal residents of Community College District 513 who are 65 or older may enroll in regularly scheduled classes tuition free, provided that classroom space exists and tuition paying students enrolled constitute the maximum number required for the course. Laboratory fees, course fees and registration fees still apply.

## Extra Charge for Non-Resident

Students (see Residency definition)

Students who are not residents of Community College District 513 shall pay an extra charge equal to the per capita cost per semester hour less tuition and state apportionment.

## Fees\*

Illinois Valley Community College assesses a standard fee for all students per credit hour (currently \$7.40). This fee is returned to the student in the form of several services and programs. The Standard Fee supports instructional technology and activities designed to enhance student life and contribute to the overall college experience.

Course supply fees will be charged. A nonrefundable registration fee of \$5 per semester will be charged (except for ABE, GED, and ESL students).

## Fee Payments

Tuition and fees are due on or before the semester tuition due date. Students who register after the semester tuition due date must pay at the time of registration.

Students who do not have a deferment (scholarships, financial aid, or sponsorships) will be dropped from their classes for nonpayment and will not be able to attend until their bills are paid.

Students with deferments for tuition and/or fees must pay any fees that are not covered by their deferment before the semester tuition due date.

Students must contact the Cashier Department to apply financial aid to their accounts. Failure to do so will result in their classes being dropped.

## Refund of Tuition and Fees

Refund of tuition and fees will be made on the following basis:

For students who drop classes before the tenth day of a regular 16-week fall or spring semester, a full refund less the registration fee will be generated. For drops taking place during summer semester or for classes of varied lengths, the refund period varies according to the length of the class. The refund period is indicated on each student's registration statement at the time of registration.

Out-of-district colleges will be billed after the midterm of a semester for their students on chargeback who were officially enrolled at IVCC through the tenth day of the semester.

A student's decision to withdraw from classes could affect financial aid. Please see a financial aid advisor before withdrawing.

\* Tuition and fees are subject to change by Board of Trustees (District 513) action.

## Payment Options

### Payment Plans

Payment Plans are available online through FACTS/Nelnet using WebAdvisor. For more information go to [www.ivcc.edu/ecashier](http://www.ivcc.edu/ecashier) or

call the payment plan information line at (815) 224-0586. If schedule changes are made or classes are dropped after a payment plan is set up contact the Cashier Department immediately.

## Full Payments through WebAdvisor

Full payments can be made through WebAdvisor. Methods of payment accepted are Visa, MasterCard, Discover, American Express or e-Check. A WebAdvisor account must be set up in order to use this feature.

## Mail Payments

Payment can be mailed to:

IVCC - Attn: Cashier Department  
815 N. Orlando Smith Road  
Oglesby, IL 61348

Please allow at least 3 business days.

## Credit Card By Phone

Call (815) 224-0213 or fax to (815) 224-6091.

## In Person

Payments can be made in person at the Cashier Department located in the Peter Miller Community Technology Center CTC 101.

## FACTS/Nelnet Tuition Management

### Monthly Tuition Payments

To help you meet your educational expenses, Illinois Valley Community College offers FACTS/Nelnet as a convenient budget plan. FACTS/Nelnet is a tuition management plan that provides you with a low cost option for budgeting tuition and other educational expenses. It is not a loan program; therefore, you have no debt, there are no interest or finance charges assessed and there is no credit check. The only cost to budget monthly payments through FACTS/Nelnet is a \$25 per semester nonrefundable enrollment fee. The enrollment fee is automatically deducted within 14 days from the day the agreement is submitted to FACTS/Nelnet.

### How FACTS/Nelnet Works

Using FACTS/Nelnet is simple. Information for enrolling online is provided below. You may budget your tuition and fees one of two ways.

**Automatic Bank Payment (ACH)** - ACH payments are those payments you have authorized FACTS/Nelnet to process directly with your financial institution. It is simply a bank-to-bank transfer of funds that you have preapproved for your expenses at Illinois Valley Community College. Payments may be made from either your checking or savings account. Payments are processed on the fifth of each month and will continue until the balance due the college is paid in full.

**Credit Card Option** - Many students and families have requested the option of charging their monthly tuition payment to Visa, MasterCard, Discover or American Express credit cards. This enables you to take advantage of various bonus programs offered by your credit card company. If you select to use this option, your monthly payment will be automatically charged to your credit card on the fifth of each month.

**NOTE:** Should an automatic bank payment or credit card payment be missed, a \$25 missed payment fee will be automatically assessed to your account. You will be notified of the missed payment by FACTS/Nelnet via mail.

## Completing the FACTS/Nelnet Agreement

When you enroll online, be sure to have the following information:

1. Your 7-digit student ID number as assigned by IVCC - located on the registration statement.
2. The name and address of the person responsible for making payments.
3. Account information for the responsible person.



If paying by automatic bank payments, you will need the bank name, account number, and the bank routing number. Most of this information is located on your check. If paying by credit card, you will need the credit card number and expiration date.

**Avoid the line ... pay online.**  
[www.ivcc.edu/ecashier](http://www.ivcc.edu/ecashier)

## **Enrolling online is simple**

Connect to the e-Cashier site at [www.ivcc.edu/ecashier](http://www.ivcc.edu/ecashier). Once you are in e-Cashier, review all information and refer to the menu bar at the top for additional answers to questions you may have. After you have reviewed all information, scroll down and select the "Proceed" button. Follow the simple steps outlined. After you have accepted the Terms and Conditions and submitted your agreement, you will receive an immediate e-mail (if e-mail address was provided). This e-mail will confirm receipt of your enrollment through FACTS/Nelnet e-Cashier. Please remember, any required down payment will be deducted immediately.

## **Questions**

For more information on availability, please visit IVCC's Web site at [www.ivcc.edu](http://www.ivcc.edu), or call the Illinois Valley Community College Cashier's Office at (815) 224-0213.

## **Full Payment Information**

You may pay for your tuition in full through the e-Cashier site by selecting the payment in full option. This allows you the convenience of paying your tuition without having to visit or mail information to the Illinois Valley Community College Cashier's Office. Please remember, once you select this option, full payment will be deducted immediately and a \$2.00 fee assessed.

## **Important**

Call FACTS/Nelnet at (800) 609-8056 to make any changes to your address, phone, or banking information. If you have questions regarding your FACTS/Nelnet Agreement, please contact FACTS/Nelnet directly or go to "My FACTS/Nelnet" Account to review your agreement online. The instructions to access "My FACTS/Nelnet" Account are located in your confirmation letter or e-mail. If you have questions regarding your financial aid award or tuition balance, or you make any changes whatsoever to your schedule, please call the Illinois Valley Community College Cashier's Office at (815) 224-0213 so we can adjust or terminate your plan.

## **Considering Financial Aid?**

Apply for financial aid to help make college more affordable. Students must complete the Free Application for Federal Student Aid (FAFSA), available in the Financial Aid Office, at high schools, or online at [www.fafsa.gov](http://www.fafsa.gov) (<http://www.fafsa.ed.gov>). IVCC Foundation scholarships are also available -- apply each year between January and February. Be sure to visit our financial aid Web site at [www.ivcc.edu/financialaid](http://www.ivcc.edu/financialaid). See the financial aid section of this catalog for more information.

## Assessment Center

### Required Assessment Testing

It is the policy of the Board of Trustees of Illinois Valley Community College that: "The college requires placement testing and counseling of all students." This policy seeks to assure the successful completion of a Degree or Certificate program of 30 or more credit hours by students at this college.

1. All first-time full-time students must complete assessment in reading, writing and math.
2. All part-time students who enroll in on-campus or off-campus courses in composition and/or mathematics must undergo placement examinations in composition, reading, and/or mathematics prior to the first class meeting.
3. Students transferring from other colleges and universities, with from 9 to 29 credit hours attempted, and who plan to enroll full-time, will be required to be tested in English, reading and mathematics, unless they meet the following criteria (as documented on an official transcript); (1) a 2.0 grade point average in at least 9 credit hours completed; and (2) a "C" or better grade point in college freshman English class and a "C" average or better in mathematics if needed within the curriculum.
4. IVCC will accept ACT, SAT, PARCC, HiSET or GED scores that are submitted directly from testing or on an official High School Transcript in lieu of ACCUPLACER Placement Test scores. The following scores will be accepted for placement (see IVCC Placement Interpretation Guide below). Students whose subscores are lower must take the appropriate ACCUPLACER Placement Test to determine placement. ACT, SAT, HiSET and GED scores are valid for two years from the date of the testing. PARCC scores are valid for five years from the date of testing.

IVCC Placement Interpretation Guide ([https://www.ivcc.edu/uploadedFiles/assessment/Placement\\_Testing/IVCC\\_Placement\\_Grid.pdf](https://www.ivcc.edu/uploadedFiles/assessment/Placement_Testing/IVCC_Placement_Grid.pdf))

Higher level Math courses require the ACCUPLACER Math Placement Test be taken.

1. Students whose ACT, SAT, PARCC, GED or HiSET subscores are lower must take the appropriate ACCUPLACER placement test to determine placement. ACT scores are valid for two years from the date of testing.
2. Students who do not achieve minimum scores on the ACCUPLACER placement tests will be required to take appropriate developmental reading, writing or math courses.

Appointments are required for placement testing. An individual may contact the IVCC Assessment Center at (815) 224-0542, schedule their appointment online at [www.ivcc.edu/assessment](http://www.ivcc.edu/assessment), or stop in Room E215. Appointments must be scheduled 24 hours or more in advance. Students must already have an IVCC application completed and processed.

### Assessment Center

- (815) 224-0542
- [assessmentcenter@ivcc.edu](mailto:assessmentcenter@ivcc.edu) ([//assessmentcenter@ivcc.edu](http://assessmentcenter@ivcc.edu))
- [www.ivcc.edu/assessment](http://www.ivcc.edu/assessment)

#### Assessment Center Hours:

##### Main Campus (Oglesby)

- Monday - 8 AM - 7 PM
- Tuesday - 8 AM - 7 PM
- Wednesday - 8 AM - 7 PM
- Thursday - 8 AM - 7 PM
- Friday - 8 AM - 1 PM

##### Ottawa Center

- Tuesday - 2 PM - 7 PM
- Wednesday - 9 AM - 2:00 PM

- Thursday- 11 am-4:00 pm (Fall and Spring Semesters only)

Hours subject to change. Please go to [www.registerblast.com/ivcc](http://www.registerblast.com/ivcc) (<http://www.registerblast.com/ivcc>) or call the Assessment Center at (815) 224-0542 or go t to schedule a testing appointment.

#### Placement Testing Hours:

##### Main Campus (Oglesby)

- Tuesday and Wednesday at 10 AM
- Wednesday and Thursday at 4 PM

##### Ottawa Center

- Tuesday at 4:30 PM
- Wednesday at 9:30 AM
- Thursday at 1:00 PM (Fall and Spring Semesters only)

The Assessment Center provides a variety of options and services for the college community. The center is responsible for the following services:

- IVCC computerized placement tests for English, math, reading
- Make-up tests for IVCC students
- IVCC Proficiency tests
- Online and telecourse tests
- CLEP and DSST Tests
- Exams for other universities proctored
- GED and HiSET Testing
- Contractor Safety Training (Site Specific)
- Pearson Vue testing
- CASTLE Worldwide Testing
- Accuplacer placement testing for other institutions

### Placement Retest Procedure

IVCC placement test scores and ACT scores and SAT scores will be valid for a period of 2 years from the initial testing date. Individuals who have taken an IVCC placement test will be allowed to retest in any or all of the three testing areas, English, Mathematics or Reading, twice in a 12 month period.

There will be no charge for placement testing the **first** time. Individuals choosing to retest will be charged the following fees: Reading \$10, Math \$10, and English \$15.

After retesting, the score that will be valid, will be the higher of the scores.

Placement results from IVCC or any other college are not valid after a 2 year period, unless you have successfully completed coursework in the particular subject.

Any individual wanting to take a retest must contact the IVCC Assessment Center at (815) 224-0542, schedule their appointment online at [www.ivcc.edu/assessment](http://www.ivcc.edu/assessment), or stop in Room E215 to schedule an appointment to retest. Payment must be made before taking a retest.

Retest questions not covered by this procedure should first be directed to the Assessment Center Coordinator at (815) 224-0552. Issues, which cannot be resolved through the Assessment Center Coordinator, will be referred to Dean of the English, Mathematics and Education division, whose decision will be final.

### Placement Test Review Options

Students often need help preparing for coursework in college. Proper placement is very important for future success. There are several online options that can be beneficial to students to review before taking placement testing.

ACCUPLACER-- Accuplacer offers two options for review. One is a downloadable PDF files of multiple choice questions and the other is a free web-based app. Go to <https://www.accuplacer.org/> and select



the "Information for Students" button and be directed to the Student Practice page. IVCC administers Classic Accuplacer and will begin using Next-Generation Accuplacer for placement testing in Fall 2018.

[www.testprepreview.com](https://www.testprepreview.com) (<https://www.testprepreview.com>)

<https://www.test-guide.com/>

## Continuing Education

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**The Continuing Education & Business Services (CEBS) Division at IVCC is committed to the College's mission by providing lifelong learning experiences to community members and business development opportunities to local companies. In addition CEBS supports our communities through community outreach initiatives and partnerships with local economic development organizations and chambers of commerce. The CEBS Division is comprised of two service centers; the Continuing Education Center and the Business Training Center.**

### **Continuing Education Center**

The Continuing Education Center's (CEC) purpose is to enrich lives by providing lifelong learning opportunities. Staff design, develop and offer a wide array of non-credit and credit courses, trips/tours, science & art camps, and special events that enrich the lives of adults and youth. Affordable, convenient classes are offered each summer, fall, and spring on the college campus and at many community locations including IVCC's Ottawa Center.

Center staff collaborate with our community, area business professionals, and instructors to ensure the delivery of innovative programs, classes and special events. Center staff respond to the needs and interests of the community by developing current and dynamic programming in exciting open enrollment programs.

#### **Community Education**

#### **Professional Development**

#### **Accelerated Career Programs**

#### **Youth Programs**

#### **Trips and Tours**

**Phone: (815) 224-0427**

Website: [www.ivcc.edu/cec](http://www.ivcc.edu/cec)

### **Business Training Center**

The Business Training Center (BTC) serves district companies by providing business consulting and customized training programs that **improve employee performance and enhances organizational productivity, efficiency and quality**. The services are comprehensive in scope and are designed to meet the needs of district companies that want to improve the skills of their workforce to become or remain competitive in our ever-changing global marketplace. Services include:

#### **Customized Training**

#### **Business Consulting**

#### **Employee Skill Assessment**

#### **Contractor Safety Training Program**

Phone (815) 224-0280

Website: [www.ivcc.edu/btc](http://www.ivcc.edu/btc)

## Cooperative Agreements

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### Cooperative Agreement Programs at Other Community Colleges

Cooperative Agreements allow residents of the IVCC district to attend the community colleges, listed in the link below, as an in-district student to pursue a career or occupational program NOT OFFERED by IVCC. The college has worked out cooperative agreements with 31 other community colleges. These agreements allow a student from IVCC's district to attend one of these colleges to complete the desired program and to only pay that college's in-district tuition rate.

The cooperative agreement form, found in the link below, must be completed by IVCC students who wish to attend another Illinois Public Community college to complete a career or occupational program not offered by IVCC. For some of these colleges, the cooperative agreement can be used by the student if he or she only wants or needs to take one course not offered by IVCC in that particular semester. The form must be completed and turned in to the Office of Academic Affairs for approval **at least 30 days** prior to the start of class. The form is signed by the Associate Vice President for Academic Affairs and sent to the college to be attended. An approved cooperative agreement form is good for one academic year. The cooperating college will issue the degree or certificate for successful completion of the program of study.

A complete listing of cooperative agreements at other community colleges and the cooperative agreement form can be found at <http://www.ivcc.edu/cooperativeagreement.aspx?id=3512>.

### Chargeback Request

In the rare instance where IVCC does not have a cooperative agreement for a desired program, the student can request a chargeback. In this case, the IVCC Board of Trustees will make the decision as to whether the College will pay the out-of-district tuition for the student to the attended community college. Requests for chargeback consideration must be submitted **at least 60 days** prior to the start of classes. Illinois Valley Community College will not pay chargeback for any programs that can be taken by a student under a cooperative agreement. IVCC promotes cooperative agreements with other colleges because of the large tax savings to residents in District 513. To request to be considered for a Chargeback for a career and technical (occupational) credit program at another Illinois community college, please submit the following:

1. A letter requesting a chargeback stating the Illinois community college the student wishes to attend and the title of the 2 year degree or certificate program.
2. A completed Chargeback Form.
3. A copy of the school's curriculum or program guidesheet (description of the program and a required course listing).

A Chargeback Request will only be considered if IVCC does not currently have a Cooperative Agreement with another community college with a similar program.

Please note that by Board Policy, Chargeback Requests must be approved by the IVCC Board of Trustees. You will be notified in writing of the Board's decision on the request within 5 business days after the scheduled Board meeting. It is recommended that persons submit these requests at least TWO months prior to the start of the semester when the individual wishes to begin the program at the other community college.

The chargeback form can be found at <http://www.ivcc.edu/cooperativeagreement.aspx?id=3512>.

#### All forms should be sent to:

Bonnie Campbell  
Associate Vice President for Academic Affairs  
Illinois Valley Community College  
815 N. Orlando Smith Road  
Oglesby, IL 61348  
Phone: (815) 224-0408  
Fax: (815) 224-3033

### Cooperative Agreement Programs at Illinois Valley Community College

Residents of other community college districts, listed in the link below, may attend IVCC as an in-district student if they are planning to pursue a career or occupational program NOT OFFERED by their community college. Students need to contact their community college to obtain a cooperative agreement form.

A complete listing of cooperative agreements at IVCC can be found at <http://www.ivcc.edu/cooperativeagreement.aspx?id=7252>.

**Please contact the Office of Academic Affairs at (815) 224-0409 for more information about cooperative agreements and chargebacks.**

4/12/2018

## Course Descriptions

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Below is a list of all courses offered at IVCC. If you are looking for a more detailed course syllabus/course outline, please go to [www.ivcc.edu/courseoutlines](http://www.ivcc.edu/courseoutlines).

- Accounting (p. 20)
- Adult Education (p. 21)
- Agriculture (p. 22)
- Allied Health (p. 24)
- Anthropology (p. 26)
- Art (see also Drawing) (p. 27)
- Automotive (p. 28)
- Biology (p. 29)
- Business Law (p. 31)
- Business (p. 30)
- Certified Production Technician (p. 32)
- Chemistry (p. 33)
- Computer Aided Drafting (p. 34)
- Computer Numerical Control (p. 35)
- Computer Technology (p. 36)
- Constitution Citizenship (p. 40)
- Criminal Justice (p. 41)
- Dental Assisting (p. 42)
- Design (p. 43)
- Drafting (p. 44)
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# Accounting

## Courses

### **ACT 1010. Financial Accounting. 3 hrs.**

An introduction to financial accounting as an information processing system that communicates relevant financial data regarding the business entity to external decision-makers. Emphasizes the basic concepts, principles, and techniques used in the generation of accounting data for financial statement preparation, interpretation, and use. (Students with one year of high school accounting may enroll by consent of instructor.) Prerequisite: Sophomore standing with a 2.0 GPA or completion of ACT 1210 with a grade of "C." IAI: BUS 903.

### **ACT 1020. Managerial Accounting. 3 hrs.**

Course deals with basic managerial accounting concepts and practice including classification of costs, cost-volume-profit relationship, manufacturing costs, job order and process cost systems, budgeting, standard costs and variance analysis, direct and absorption costing, cost allocation, decentralized operations, pricing decisions, capital budgeting, financial statement analysis, and statement of cash flows. Prerequisite: ACT 1010. IAI: BUS 904.

### **ACT 1210. Fundamentals of Accounting. 3 hrs.**

Emphasis is placed on the procedural aspects of financial accounting for a sole proprietorship. The accrual basis is used, debit and credit is studied as it relates to the accounting equation. The entire accounting cycle is covered for service and merchandising businesses, including adjustment preparation of financial reports, and closing procedures. Also included are bank statement reconciliation, petty cash, special journals, and payroll accounting. A practice set is included at the end of the course to review the entire accounting cycle. Intended for students who plan to take only one semester of accounting or for those who need preparation before enrolling in ACT 1010.

### **ACT 1220. Practical Income Tax Prep. 2 hrs.**

Students will acquire knowledge and skills and gain practical experience in the preparation of Income Tax returns (IRS 1040 form and supporting schedules). Documents will be prepared and filed electronically as a service to low-income and senior citizens within the IVCC district. Students will recognize the key role individual tax preparers play in recording and reporting tax information. Students will also become acutely aware of the importance of this information in financial tax planning.

### **ACT 1240. Payroll Accounting. 2 hrs.**

This course is designed to prepare students to handle payroll preparation and record keeping, as well as computation, payment, and reporting of payroll related taxes. Various other business taxes are covered including sales tax and highway use tax. (Students with practical accounting experience may enroll by consent of instructor.)

### **ACT 1280. Quickbooks-Pro Accounting. 3 hrs.**

This course utilizes QuickBooks-Pro Software to perform various financial accounting functions including general ledger, accounts payable, accounts receivable, inventory, and fixed assets. There is an emphasis on payroll regulations and the payroll functions of maintaining employee information, processing the payroll, and preparing required governmental reports. Prerequisite: ACT 1210 (with "C" or better) or ACT 1010 or consent of instructor.

### **ACT 1281. Computerized Accounting. 3 hrs.**

This course utilizes Peachtree Software to perform various financial accounting functions including general ledger, accounts payable, accounts receivable, inventory, and fixed assets. There is an emphasis on payroll regulations and the payroll functions of maintaining employee information, processing the payroll and preparing required governmental reports. Lecture, two hours per week; lab, two hours per week. (Students with practical accounting experience may enroll by consent of instructor.)

### **ACT 2020. Cost Accounting. 3 hrs.**

A study of the process of generating accounting data which will be useful to management in performing the functions of planning and control and decision making. Topics emphasized include: product costing, cost-volume-profit relationships, and budgeting and standard costs. Prerequisite: ACT 1020.

### **ACT 2200. Tax Accounting. 3 hrs.**

The course is intended for students that seek to file business and personal tax returns. Such topics as methods of payment of tax liability, recognition of gains and losses, capital gains and losses, dividends, inventories, and depreciation will be covered. Prerequisite: ACT 1210.

### **ACT 2221. Intermediate Accounting I. 3 hrs.**

A study of the theory, concepts and procedures underlies the preparation of external accounting reports for corporate organizations. Topics to be covered include: financial statement preparation, monetary assets, inventories, plant assets, current liabilities, intangibles, and time value of money concepts. Prerequisite: ACT 2221.

### **ACT 2222. Intermediate Accounting II. 3 hrs.**

A continuation of Intermediate Accounting I dealing with theory and concepts of external reporting. Topics covered include comprehensive treatment of liabilities, capital stock, retained earnings, the statement of cash flows, financial statement analysis, and full disclosure in financial accounting. Emphasis is also given to internal records including sole proprietorships and manufacturing firms. Computerized accounting methods are explored. Lecture, two hours per week; lab, two hours per week. Prerequisite: ACT 1020 and ACT 2221.

### **ACT 2230. Certified Bookkeeper Review. 2 hrs.**

This course is intended for AAS Accounting students in their final semester of the program. The course is a review and includes new information that is essential for students to master prior to entering the field of accounting. The course covers six (6) main topics: adjusting entries, correction of accounting errors, payroll, depreciation, inventory, and internal controls and fraud prevention. Upon completion of the course students will be prepared to take the four-part nationally recognized Certified Bookkeeper exam. Once students pass all four exams they will gain candidate status and be able to enter the workforce. After two years of experience in accounting the students can then be issued their Certified Professional Bookkeeper designation. Lecture, 2 hours. Prerequisite: ACT 1010 and ACT 1020.

## Adult Education

The Adult Education Program (<http://www.ivcc.edu/adulted>) serves adult learners who are 16 years or older and who are not enrolled in public or private high school. Most classes are in an instructional setting and are offered in the following courses:

Adult Basic Education (<http://www.ivcc.edu/adulted.aspx?id=2964>) (ABE), GED® Testing (<https://www.ivcc.edu/adulted.aspx?id=4952>) to obtain the High School Equivalency (HSE) credential, and English as a Second Language and Citizenship (<http://www.ivcc.edu/adulted.aspx?id=2984>) (ESL) classes are available at the IVCC Oglesby and Ottawa Center campuses and at other off-campus sites throughout the IVCC district.

i-Pathways online (<http://www.ivcc.edu/adulted.aspx?id=12618>) is an HSE preparation offering that is primarily an at-a-distance learning program for students assessed in Adult Education with a grade level of 9<sup>th</sup> grade or higher. (815) 224-0358

The English as a Second Language and Citizenship (<http://www.ivcc.edu/adulted.aspx?id=2984>) classes are also available for nonnative English speakers in a multi-level format of students with similar ability. (815) 224-0355 English and Spanish

TO REGISTER FOR FREE ADULT EDUCATION SERVICES,  
CONTACT THE ADULT EDUCATION PROGRAM FOR  
ENROLLMENT POLICIES. (815) 224-0358



# Agriculture

## Courses

### **AGR 1000. Introduction To Field Crop Science. 4 hrs.**

The basic principles of plant growth, including human and environmental influences and the theoretical and practical application of agronomic principles to crop production. Includes the historical and economic importance of crop plants for food, feed, and fiber; origin, classification, and geographic distribution of field crops; environmental factors and agronomic problems; crop plant breeding, growth, development, and physiology; cropping systems and practices; seedbed preparation, tillage, and crop establishment; pests and controls; and harvesting, storing, and marketing practices. Lecture, 2 hours; lab, 2 hours; seminar, 1 hour. IAI: AG 903.

### **AGR 1001. Introductory Agricultural Economics. 3 hrs.**

The application of the principles of economics to agricultural problems and the role of agriculture in the United States and world economies. Includes production principles; production costs, supply, and revenue; profit maximization; consumption and demand; price elasticity; market price determination; and competitive versus noncompetitive market models. Examination of the world food situation, including population growth, world food production trends, trade in agricultural products, and agriculture's role in economic growth; agriculture characteristics and inputs (natural, human and capital); the marketing of agricultural products (functional and institutional commodity approaches to marketing, marketing costs, and the operation of the futures market); and agricultural problems and policies (program goals, price and income, and resource use.) Lecture, 3 hours; seminar, 1 hour.

### **AGR 1002. Intro Agriculture Mechanics. 3 hrs.**

This course is designed to introduce students to the various aspects of agricultural mechanics. The content of this course is chosen to give an overview of several technical areas that compromise agricultural mechanization. Lecture, 1 hour; lab, 2 hours; seminar, 1 hour. IAI: AG 906.

### **AGR 1003. Animal Science. 4 hrs.**

The application of the sciences of genetics, physiology and nutrition to the improvement of animal breeds, breeding and selection; anatomy, physiology and nutrition and growth; environment, health and sanitation; products and marketing; production technology and economics; animal behavior; and current issues in animal science. Lecture, 1 hour; lab, 4 hours; seminar, 1 hour. IAI: AG 902.

### **AGR 1004. Microcomputer Applications in Agri. 3 hrs.**

Introduction to computer hardware, file manipulation, printers and the use of word processing, electronic presentations and communications, graphics, spreadsheet, database management and web development software. Also includes solution of agriculture data-related problems and use of prepared software and templates. Lecture, 2 hours; lab, 2 hours. IAI: AG 913.

### **AGR 1005. Introductory Soil Science. 4 hrs.**

This course will cover such areas as: soil formation, color, structure, texture, classes and types. The classes will also include the use of fertilizers and the interpretation of soil tests. Laboratory experiments will be provided to enhance the work with soils and provide the student with ample opportunities to do class and individual experiments, and to ask questions. Lecture, 2 hours; lab, 2 hours; seminar, 1 hour. IAI: AG 904.

### **AGR 1006. Agricultural Ed. Program & Principles. 3 hrs.**

This course is an introduction to agricultural education programs and delivery systems: state and federal policies; the nature of teaching in school and non-school settings; types and purposes of agricultural education; program components; approaches to teaching; teacher characteristics; community relationships; educational change and innovations; trends and developments in agricultural education and reflective teaching.

### **AGR 1200. Introduction To Agricultural Business Management. 3 hrs.**

This course is an introduction to the principles of agriculture business management and the role of the agribusiness manager. Topics covered include business organization structures, budgeting, marketing, inventory management, and human resource management. Lecture, three hours a week.

### **AGR 1201. Feeds and Feeding. 3 hrs.**

A course offering designed to show the composition of feeds and animal products. Also, the course content will contain information on how animals utilize their food to meet the demands of production and maintenance. Lecture, one hour per week; seminar, one hour per week; lab, two hours per week.

### **AGR 1202. Intro To Agricultural Industry. 2 hrs.**

An introduction to the vast agricultural industry exploring the various sectors including agribusiness management, agronomy, animal science, and precision agriculture. Preparation for a successful career in the agricultural industry will be the focus of the courses. Lecture: Two hours per week.

### **AGR 1203. Agriculture Production Techniques. 0.5 hrs.**

This course is designed to meet the needs of the agriculture community for specialized educational experiences. Each class will be individualized to to a particular set of needs and a credit value assigned for each section offered. Typical examples include: uses of herbicides and insecticides, machine operation techniques, farm problems, and proper land usage. This course may be repeated for a maximum of six semester hours.

### **AGR 1204. Agriculture Technology I. 3 hrs.**

### **AGR 1205. Agriculture Technology II. 3 hrs.**

### **AGR 1206. Intro To Precision Agriculture. 4 hrs.**

This course is an introduction to the principles of precision agriculture as applied to modern farming techniques. This course provides an overview of precision farming (GPS, GIS, and VRT). Students will be engaged in hands-on laboratory activities to provide initial experience with the use of precision agriculture tools. Lecture: Three hours per week; Lab: Two hours per week.

### **AGR 1207. Agricultural Credit & Finance. 3 hrs.**

This course is an introduction to the financial aspects of operating an agricultural business. The focus of the course will be financial statements, financial analysis, calculations, and amortization. Students will apply and develop financial skills necessary as an employee or owner of an agribusiness. Lecture: Three hours per week.

### **AGR 1208. Advanced Agricultural Business Management. 3 hrs.**

This course will focus on advanced management strategies used in agricultural businesses. Students will apply management techniques throughout the course to further develop their understanding of agricultural business management. Topic areas include marketing management, consumer demand, competition, and human resource management. Prerequisite: AGR 1200 or instructor approval. Lecture: Three hours per week.

### **AGR 1209. Crop Production and Management. 3 hrs.**

A study of the grain and forage crop production methods used in the Midwest. Course emphasis will be on seed selection, seeding rates, fertility management, pest management, seedbed preparation, harvesting methods, and technology used in crop production and management. Lecture: Three hours per week.

### **AGR 1210. Farm Management Problems. 3 hrs.**

This course will acquaint the student with the problems of managing and operating a farming business including enterprise selection, micro-computer applications, acquiring the farming unit leasing arrangements, resource allocations, labor management, decision making processes, farm records and income taxes, capital investments, and soil conservation practices. Lecture, three hours a week.

### **AGR 1211. Agricultural Chemicals. 3 hrs.**

This course includes a comprehensive study of common farm practices used in the chemical control of crop and livestock pests. Subjects include: understanding pesticides, rates and application, growth regulators, insects, fertilizers, and pesticide laws and regulations. Lecture, one hour per week; seminar, one hour per week; lab, two hours per week.

### **AGR 1212. Agriculture Sales. 3 hrs.**

This course will consist of sessions dealing with aspects of agricultural sales. The ability to satisfy the customer's needs will be used as the basis for study. This offering will cover such areas as: determining customer needs, analyzing the product, resolving objections, and closing the sale.

### **AGR 1213. Agricultural Internship. 3 hrs.**

This is an on-the-job learning experience. Students work in agricultural jobs related to their field of study. This course gives students an opportunity to put into practice what they learned in the classroom and laboratory. The student is required to work a minimum of 225 hours. Prerequisite: Successful completion of 30 credit hours in an agriculture program of study, consent of the instructor, must also be enrolled in AGR 1214.



**AGR 1214. Agricultural Internship Seminar. 1 hr.**

This course is to be taken at the same time as AGR 1213, Agricultural Internship. The course is designed to enhance the overall internship experience. Students will be engaged in classroom activities designed to help the student further understand the agricultural work environment. The focus of the course is to prepare students for future employment in the agricultural industry. Enrollment in AGR 1213 is required. Prerequisite: Successful completion of 30 credit hours in an agriculture program of study, instructor approval, and must also be enrolled in AGR 1213. Seminar: One hour per week.

**AGR 1215. Agricultural Marketing. 3 hrs.**

This course is an introduction to the marketing of agricultural products. The course will focus on marketing strategies, futures markets, and cash markets for both livestock and grain commodities. The course will also explore the use and application of modern technology to buy, sell, and trade agricultural commodities. Lecture: Three hours per week.

**AGR 1216. Livestock Selection. 3 hrs.**

This course will be advanced in the degree of livestock evaluation and intensity of oral reason presentation. Emphasis will be given to differentiation of breed type between breeds within each species, targeted production use with the livestock industry, and precise professional oral reason delivery. Lecture, one hour per week; lab, four hours per week.

**AGR 1217. Soil Fertility and Fertilizers. 3 hrs.**

A study of the fundamental concepts of soil fertility and fertilizers used in agriculture and related fields. Students will become familiar with plant nutrition, factors affecting plant growth, macro and micro-nutrients, fertilizer recommendations, and application methods. Lecture: Three hours per week.

**AGR 1218. Crop Pest Management. 3 hrs.**

The study of the principles of weed, insect, and disease identification and management techniques used in agriculture and closely related fields. The emphasis of the course will be identification, prevention, and management of agricultural pests. Lecture: Three hours per week.

**AGR 1272. Dry Application Equipment. 3 hrs.**

This course will provide students with the fundamentals of maintaining, calibrating, and operating dry fertilizer application equipment. Emphasis will be placed on the makes and models of equipment used in local agribusinesses. Lecture, one hour per week; lab, four hours per week.

**AGR 1273. Liquid Application Equipment. 3 hrs.**

This course will provide students with the fundamentals of maintaining, calibrating, and operating liquid fertilizer and pesticide application equipment. Emphasis will be placed on makes and models of equipment used in local agribusinesses. Lecture, one hour per week; lab, four hours per week.

**AGR 1293. Horse Breeding & Genetics. 2 hrs.**

This course is designed to familiarize students with mare and stallion basic anatomy, reproductive physiology, hormone systems, basic genetics, behavior, and management. In addition, current information such as estrous cycle control, semen collection, and evaluation will be discussed.

**AGR 1295. Basic Horse Handling and Training Tech. 2 hrs.**

This course is designed to cover basic training techniques used to develop the young horse. Topics include gentling the foal, teaching the foal to lead, grooming and trimming techniques, the lounge line, biting, ground driving, training equipment and aids, riding the two-year-old, working circles and developing the responsive mount. Time will be allowed for students to have a hands-on experience with their own or borrowed horse.

# Allied Health

## Courses

### ALH 1000. Introduction To Nutrition. 3 hrs.

The objective of this course is to acquaint the student with recent scientific findings in the nutrition field as well as the methods used to evaluate information found in the media. The student will examine basic concepts of nutrition as they apply to various stages of the life cycle and to common disease processes. With the knowledge acquired, students will be able to evaluate their personal food choices and discuss current political, economic, social and environmental issues including global hunger, consumer concerns about food safety, and sustainability of the food supply.

### ALH 1001. Terminology of The Health Field. 3 hrs.

This course focuses on basic language related to the health field. Emphasis is given to work analysis and construction, definitions, pronunciation, and spelling. Fundamentals of the anatomy, physiology, and pathology of body systems are explored, and terminology related to these systems is presented.

### ALH 1002. Human Growth & Development for Health Workers. 3 hrs.

A study of human growth and developmental process as it relates to physical cognitive, emotional, social and moral development throughout the life span (conception through death). Health promotion and maintenance measures for each stage are introduced within the context of the family including the socio-cultural aspects.

### ALH 1030. Yoga. 2 hrs.

This introductory course contextualizes yoga as it is popularly understood in the West. The class begins with fundamental exercises and adds new postures and exercises throughout the course which are designed to balance mind, body, and spirit. The wellness benefits of yoga are explored from the mind-body perspective with emphasis on stress reduction and its relationship to well-being as understood from a holistic perspective. Psychology of yoga is also discussed as are foundational moral and ethical principles which contribute to a balanced, stable, and vital lifestyle conducive to health and wellness.

### ALH 1031. T'ai Chi. 2 hrs.

This beginning level course introduces students to TaiJi, its historical origins and philosophical foundations, fundamental principles, the Chen Style of TaiJi, and TaiJi meditation. The course will include exercises geared toward developing sensitivity to natural rhythms of movement in the body and in nature. Beneficial effects of TaiJi on health and well being as understood from the Eastern and Western perspectives will also be discussed.

### ALH 1201. Mathematics for Allied Health. 1 hr.

This course covers common mathematics requirements for Allied Health professions with a focus on nursing. It includes International Systems of Measurement (metric system), apothecary and household systems, system conversions, as well as reading and calculating medication dosages. The dimensional analysis in the mathematical process is used in this course.

### ALH 1202. Allied Health Dosage Calculations. 2 hrs.

This course covers common mathematical requirements for Allied Health professions with a focus on nursing. It includes a review of the following: basic math, systems including conversions, metric, apothecary, and household, interpretations of drug labels, charting, abbreviations, and methods of calculations for oral, injectable, and intravenous drugs, calculations for specialty areas including pediatrics, critical care, labor and delivery. The Dimensional Analysis in the mathematical process is used in this course.

### ALH 1214. Certified Nursing Assistant (CNA). 8 hrs.

This course provides the individual with the skills necessary to perform services commonly performed by the Certified Nursing Assistant (CNA). The theory, laboratory and supervised clinical component of this course enables the individual to provide daily care to the ill and elderly. Specific knowledge in caring for individuals who have Alzheimer's Disease and/or other related dementias is woven throughout the course. Support systems for families and care givers are identified and discussed. Supervised clinical practice provides the opportunity for the development of the proficiency and confidence necessary to utilize the knowledge and skills from the class. Reading placement of 0900 or higher or an ACT Reading sub-score of 18 or higher is required for registration of this course. All students are required to have a fingerprint criminal background check. More information will be provided after course registration and prior to the start date.

### ALH 1215. Certified Nursing Assistant Refresher. 2 hrs.

Certified Nursing Assistant Refresher Course provides the opportunity for a Nursing Assistant who has not provided nursing assistant related services for a consecutive 24-month period of time after January 1, 1990 to review and test. Reviewing will take place in IVCC labs. Testing will take place in IVCC labs and at a clinical site per IDPH guidelines. Prerequisite: Verification that the individual's name is on the Illinois Nurse Aide Registry in good standing. Has not failed the competency test three times.

### ALH 1220. Cardio-pulmonary Resuscitation. 1 hr.

A course designed to teach the principles and techniques needed to deal with resuscitation emergencies. Included will be: rescue breathing, choking, and cardiopulmonary resuscitation skills for adults, children and infants. Upon satisfactory completion of the course, students will receive certification in American Red Cross Community CPR.

### ALH 1221. Industrial First Aid. 1 hr.

A course designed to prepare students to recognize emergencies and make appropriate decisions regarding the care of people who are ill or injured. Students passing the course will receive American Red Cross certification in Adult CPR and Standard First Aid.

### ALH 1222. Cardio Pulmonary Review. 0.5 hrs.

A course designed to review and update the techniques used in administering resuscitation to an adult, a child, and an infant. Upon satisfactory completion of the course, students will receive certification from the American Red Cross in Community CPR. This course may be repeated four times.

### ALH 1223. Community First Aid & Safety. 2 hrs.

This is a course designed to help students learn how to recognize an emergency and how to respond before medical help arrives. Students passing the course may be eligible to receive American Red Cross certification in community CPR (which includes adult, infant, and child) and Basic First Aid.

### ALH 1230. Special Topics in Health. 0.5 hrs.

This course is designed to be a study of specific topics or projects in any of the discipline areas of health. Each class will be individualized to a particular set of needs with a credit value assigned for each section offered. This course may be repeated up to three times and is offered with variable credit for 0.5 to 3.0 credit hours.

### ALH 1240. Basic Yoga. 1 hr.

This introductory course begins with fundamental exercises and gradually adds new postures and exercises. Through in-class exercises, students are introduced in a gentle way to proactive participation in cultivating one's own health and well-being. The wellness benefits of yoga are explored from the mind-body perspective with emphasis on stress reduction and its relationship to well being as understood holistically. By the end of the course, students will be well introduced to yoga and in a position to continue practice on their own. Students will also be prepared to take classes, participate in related workshops with a sense of their own capacities and limitations, and with sufficient knowledge to evaluate suitability of classes for them.

### ALH 1241. Basic T'ai Chi. 1 hr.

This beginning level course introduces students to T'ai Chi, its historical origins and philosophical foundations, fundamental principles, the Chen Style Form, and T'ai Chi meditation. The course will promote comfort and ease with body movement and sensitivity to natural rhythms of movement in the body and in nature. Students will learn to locate and nurture inner sources of strength, stability, calm, confidence, and energy and to understand appreciate and respect their interconnectedness with Earth, mind, spirit, and people in their lives. The course will include regular demonstrations and training in Qigong (energy cultivating meditation).

### ALH 1250. Principles & Practices of Phlebotomy. 3 hrs.

This course consists of a lecture and laboratory practice of the proper collection of laboratory specimens. It includes terminology, anatomy and physiology appropriate to phlebotomy, phlebotomy techniques, safety, quality control, professionalism and communication techniques. It provides exposure to the necessary skills to effectively function as part of the medical laboratory-healthcare team. Prerequisite: ALH 1001 with minimum grade of C; Minimum age of 18 and high school diploma or GED.

**ALH 1251. Phlebotomy Practicum. 3 hrs.**

This course consists of 100 hours of clinical practice of phlebotomy at an affiliated laboratory site. This supervised training will emphasize competency in blood collection, specimen handling and processing, safety, quality control, and communication skills necessary to function as a member of the medical laboratory health care team. After completion of ALH 1250 and ALH 1251 the student will be eligible to take the Phlebotomy Certification Exam offered by certifying agencies. Exit level competencies and generally consistent with entry level responsibilities. Prerequisite: ALH 1250 and current immunization. Students must receive a "B" or better in ALH 1250 to be able to enter ALH 1251.

**ALH 1280. CPR/First Aid. 0.5 hrs.**

This course is designed to teach the principles techniques needed to deal with respiratory and cardiac emergencies and to prepare students to recognize medical emergencies and make appropriate decisions regarding the care of people who are ill or injured. Universal precautions and exposure control of blood borne pathogens, HIV disease and communicable diseases will also be covered. Upon successful completion of this class students will receive the American Red Cross CPR certification and the American Red Cross Aid certification.

**ALH 1281. CPR/First Aid Refresher. 0.5 hrs.**

This a refresher course for those students that have completed ALH 1230. This course is designed to fulfill the requirements for the annual renewal of CPR/First Aid. This course will review the principles and techniques needed to deal with respiratory and cardiac emergencies and make appropriate decisions regarding care of people who are ill and injured. Universal precautions and exposure control of blood borne pathogens, HIV disease and communicable diseases will also be covered. Upon successful completion of this class will receive American Red Cross CPR re-certification and American Red Cross First Aid re-certification.

**ALH 2202. Emergency Medical Technician Refresher. 1.5 hr.**

This course is designed to provide the Emergency Medical Technician with a review of material and techniques used in rendering emergency care of the sick and injured. The course also teaches the EMT personnel new methods and procedures in providing emergency medical care. Completion of this course will fulfill one requirement toward EMT re-certification. This course may be repeated four times for credit.

**ALH 2203. Emergency Medical Technician Refresher Update I. 1.5 hr.**

This course is designed to provide inservice training to practicing Emergency Medical Technicians. The course will be organized to cover the material and techniques used by EMT personnel in the treatment of emergency conditions. The people taking this course will be able to obtain points to help in the retention of their EMT Certification.

**ALH 2230. End of Life Issues. 2 hrs.**

This course will explore the medical, social, psychological and human needs of patients and their families at the end of life. Students will acquire fundamental knowledge of holistic palliative care, ethical decision making, and various grief work responses. Students will learn about the natural and personal nature of death and the dying process. Quality of life issues will also be considered.

**ALH 2231. Aging and Society. 2 hrs.**

This course is a broad introduction to the aging process in a society that values productivity, youth and independence, and attempts to defy normal aging at all costs. It will explore the influence of medicine and technology as it relates to aging, examining the role of health care as to prolonging human life versus allowing for a good death. It is a continuing survey of the human being through the periods of late adulthood and old age. Through exercises, projects, and group activities, students will learn and explore the personality, behavior and physical changes in aging. It examines the interrelationship between physical and psychological factors of adapting to illness and health maintenance activities. Topics include the physiological and psychological aspects of aging, behavioral influences, prevention and management of chronic illness, bereavement, death and related adjustment issues.

# Anthropology

## Courses

**ANT 1000. Introduction To Anthropology. 3 hrs.**

An exploration of the four major sub-fields of anthropology: physical/biological and cultural anthropology, archaeology, and linguistics. Students will explore human evolution, dating techniques, and the factors that underlie human diversity. IAI: S1 900N.

**ANT 1002. Cultural Anthropology. 3 hrs.**

A survey of human cultures from prehistoric to present. Students will be introduced to culture as an adaptive mechanism and template for behavior. The course introduces students to key anthropological concepts and ethnographic fieldwork, the signature methodology of the discipline. IAI: S1 901N.

# Art (see also Drawing)

## Courses

### ART 1000. Art Survey. 3 hrs.

Cultural analysis of the interrelated fields of architecture, sculpture, painting, and other humanistic studies beginning with the Paleolithic period and continuing through the Gothic period. Lecture, 3 hours. IAI: F2 901.

### ART 1001. Introduction Photography. 3 hrs.

An introduction to the principles and practices of black and white photography, this course teaches students the use of still cameras, film, composition techniques, developing skills, and printing methods. Students will supply their own cameras. Lecture, two hours per week; laboratory, two hours per week.

### ART 1002. Drawing I. 3 hrs.

Basic studio course for those interested in fine arts, graphic design or art education. Using a variety of media and approaches, students develop ability in descriptive and interpretive drawing. Lecture, one hour per week; laboratory, four hours per week.

### ART 1005. Design I. 3 hrs.

A basic studio course for those interested in fine arts, graphic design, or art education. The student carries out a series of problems relating to the elements and principles of design. The course develops organizational abilities and technical skills. Lecture, one hour per week; laboratory, four hours per week.

### ART 1007. Painting I. 3 hrs.

Oil (or acrylic) painting is explored through instruction in materials and techniques, composition and color, and the development of individual expression. A series of original paintings is executed by each student. An examination of traditional and contemporary concerns in painting. Lecture, one hour per week, laboratory, four hours per week.

### ART 1008. Introduction Water Color Painting. 3 hrs.

Introductory watercolor deals with pigments, equipment, materials, color theory and practice, and watercolor methods. The study of transparent watercolor techniques includes wash, dry brush and wet-in-wet. Lecture, one hour per week; laboratory, four hours per week.

### ART 1009. Ceramics I. 3 hrs.

Introduction to the terminology and technical aspects of ceramics. Basic techniques for clay preparation, hand forming, wheel throwing, and the operation of the kiln kick wheels and power operated potter's wheels. Lecture, one hour per week; laboratory, four hours per week.

### ART 1010. Art Survey II. 3 hrs.

Cultural analysis of the interrelated fields of architecture, sculpture, painting, and other humanistic studies beginning with the Italian Renaissance and continuing through the 20th Century's Modern period. Lecture, 3 hours. IAI: F2 902.

### ART 1012. Drawing II. 3 hrs.

Continuation of the basic Drawing I course. Charcoal, pencil and ink are the basic materials. Exploring mixed media and ink wash on different supports. Emphasis on the development of skills and expressive interpretation. Lecture, one hour per week; laboratory, four hours per week. Prerequisite: ART 1002 or consent of instructor.

### ART 1015. Design II. 3 hrs.

A studio course; continuation of ART 1005, using a variety of media, stressing the understanding of color theory and its application to two-dimensional design concerns. Lecture, one hour per week; laboratory, four hours per week. Prerequisite: ART 1005.

### ART 2000. Life Drawing. 3 hrs.

The study of the structure, anatomy, and expressive design of human form; drawing from model, using a variety of drawing media, such as charcoal, pencil, conte, and ink. Lecture, one hour per week; studio, four hours per week. Prerequisite: ART 1002.

### ART 2002. Sculpture I. 3 hrs.

A study of several media and techniques involving clay modeling, casting, carving and direct plaster. Construction of armature and use of the basic tools of the sculpture. Modeling from life is a part of this course. Lecture, one hour per week; laboratory, four hours per week.

### ART 2004. Art Fundamentals. 3 hrs.

Theory and practice of the creative processes in the visual arts. Students will gain an appreciation of the various art forms and will have live studio work in drawing and design, painting, printmaking, pottery and sculpture. Lecture, one hour a week; laboratory, four hours a week.

### ART 2007. Painting II. 3 hrs.

Continuation of Painting I, with greater emphasis on technical improvement and pictorial expression. Lecture, one hour per week; laboratory, four hours per week.

### ART 2009. Ceramics II. 3 hrs.

Continued application of first semester procedures of Pottery I, with emphasis on the control of design in form and techniques, including methods of glaze application and decorative techniques. Practice in the operation of clay equipment, stacking, and firing kilns. Experimentation in the possibilities and limitations of the medium. Lecture, one hour per week; laboratory, four hours per week. Prerequisite: ART 1009.

### ART 2012. Three Dimensional Design. 3 hrs.

Study of three-dimensional design in a variety of media such as paper, clay, plaster, wood, metal and plastics. The elements of design as related to creative expression and specific materials in 3-D design. Lecture, one hour per week; studio, four hours per week.



# Automotive

## Courses

### ATO 1210. Basic Gas Engines. 5 hrs.

The purpose is to give the student a background in the theory, construction, design, operation, and service of gasoline piston engines. Laboratory work will consist of the following requirements on a given engine: disassembly, cleaning, inspecting, measuring, recording, machining and reassembly. Students are encouraged to supply their own engine for this course. Lecture, 2 hours; lab, 6 hours.

### ATO 1220. Basic Automotive Electricity. 3 hrs.

This is a basic automotive electricity course dealing with voltage, current, resistance, series and parallel circuits, digital multimeter, digital storage oscilloscope, basic electronics, wiring diagrams, batteries, starting systems, and charging systems. Lecture, 2 hours; lab, 2 hours.

### ATO 1230. Bench Work Operations. 2 hrs.

### ATO 1240. Power Trans & Manual Trans. 3.5 hrs.

This course includes information relative to clutches, manual transmissions/trans-axles, driveshafts/halfshafts and differentials on front wheel drive and rear wheel drive vehicles. The course will study the operation, service and rebuilding of constant mesh, fully synchronized manual transmissions and trans-axles. Lecture, 2 hours; lab, 3 hours.

### ATO 1250. Engine Performance. 3 hrs.

This course is a basic tune-up class with the purpose of obtaining an understanding of ignition systems used in automotive vehicles. The basic design of all electronic ignition systems and how to troubleshoot each component from a no-start or driveability condition will be taught in the classroom. Basic test equipment such as compression and cylinder leakage testers, regular oscilloscope, hand-held digital storage oscilloscope, multimeter, and 4-gas analyzer will be taught during lab. Lecture, 2 hours; lab, 2 hours.

### ATO 1260. Steering and Suspension Systems. 4.5 hrs.

This course describes the various styles of automotive suspension and steering systems and their components. They include wheel bearings, tires, shock absorbers and struts, front and rear suspension systems, steering columns, power steering, gear boxes, rack and pinion steering, four wheel steering systems, alignment angles and four wheel alignment. The main emphasis in this class will be on performing a complete 4-wheel alignment on any vehicle. Lecture, 2 hours; lab, 5 hours.

### ATO 1270. Service Management. 1 hr.

This class deals with management principles as they relate to the automobile service industry. Topics covered include: formation of a business, hiring and firing personnel, small business bookkeeping, job estimating, profitability, insurance and entrepreneurship. The course will also cover EPA regulations, OSHA regulations, liability issues and computerized management for the automotive repair industry. Lecture, 1 hour.

### ATO 1280. Automotive Tech. Internship. 3 hrs.

This course offers supervised on-the-job experience in an approved automotive facility. Students meet one hour per week with the on-campus automotive instructors, and must work a minimum of 225 hours to earn the three credit hours. Prerequisite: Sophomore standing or consent of instructor.

### ATO 2200. Brake Systems. 5 hrs.

This course of study is for the design and operation of automotive brake systems used on cars and light trucks. It will focus on the theory of operation for disc and drum brake designs, hydraulics, master cylinder and power assist units, valves, and anti-lock brakes. The service of these systems will be practiced during lab sessions. Lecture, 2 hours; lab, 6 hours.

### ATO 2210. Adv Engine Performance & Driveability. 5 hrs.

This is an advanced tune-up class that covers distributor, distributorless, optical, and coil-on-plug electronic ignition systems. Computer controlled electronic spark advance systems will be explained. Students will service vehicles during lab sessions and diagnose driveability problems using the 4-gas analyzer, regular oscilloscope, digital storage oscilloscope and scanner. Students will be taught how to do a proper tune-up and solve engine performance problems such as lack of engine power, poor fuel economy, and engine driveability issues. Lecture, 2 hours; lab, 6 hours. Prerequisite: ATO 1210, ATO 1220, ATO 1250.

### ATO 2220. Fuel Systems & Emission Controls. 4.5 hrs.

The theory, service, diagnosis and repair of port fuel injected and gasoline direct injection will be the main emphasis of this class. Other areas of fuel system studied will be fuel pumps, computer controls, sensors, turbochargers and intake and exhaust systems. The following emission control systems will be covered: OBD II monitors, positive crankcase evacuation, exhaust gas recirculation, catalytic converters and evaporative emission controls. Lecture, 2 hours, lab 5 hours. Prerequisite: ATO 1220, ATO 1250.

### ATO 2230. Automatic Transmissions/ Trans- Axles. 4.5 hrs.

This course includes information relative to automatic transmission and trans-axles found on the modern day motor vehicle. Classroom topics covered include: planetary gear operation, application devices, hydraulics, torque converters and diagnosis. The main emphasis in lab will be the diagnosing of transmission problems, service procedures and rebuilding of automatic transmissions/trans-axles. Lecture, 2 hours; lab, 5 hours.

### ATO 2240. Automotive Accessories. 3 hrs.

This course provides a comprehensive understanding of vehicle electrical accessories/ systems, and troubleshooting techniques. They include electrical wiring diagrams, basic electrical tests, cruise controls, windshield wipers, instrument gauges, lighting circuits, steering wheels, short circuit testers, power (seats, door locks, windows and sliding door), body computer, air bags, keyless entry, anti-theft, electronic displays, and communications networking. Lecture, 2 hours; lab, 2 hours. Prerequisite: ATO 1220 or consent of instructor.

### ATO 2250. Heating and Air Conditioning. 3 hrs.

This course covers the theory, construction, operation and servicing of the air conditioning, heating and cooling systems found on the automobile. Emphasis will be placed on testing, troubleshooting, and servicing of the air conditioning system using appropriate manuals, tools, equipment, and safety practices. The recovery and recycling of refrigerant, laws governing R-12 and R-134a, and technician refrigerant certification will receive special emphasis. Lecture, 2 hours; lab, 2 hours.

### ATO 2260. Advanced Drivelines. 3 hrs.

This course includes information relative to four wheel drive transfer cases, front axles, all wheel drive systems, and computer controlled transmissions and trans-axles. The theory, diagnosis and repair of electronically controlled transmissions and transaxles will be covered. Some of the topics covered include: the computer, sensors, shift solenoids, force motors, pulse width modulation, torque converter clutches, PM generators and all other related electronics that allow the computer to control the shift pattern and shift quality. The student is required to rebuild a minimum of two electronically controlled transmissions in this course. Lecture, 2 hours; lab, 2 hours. Prerequisite: ATO 1240, ATO 2230.

### ATO 2270. Automotive Service. 4 hrs.

This course is designed to provide an on-the-job type experience to the advanced automotive student. The student will be given selected vehicles to diagnose and repair using knowledge acquired from previous automotive classes. The student may choose to specialize in one area or perform services in all areas much like the general automotive technician. This course will prepare the student for an entry-level job in the automotive service industry. Lecture, 1 hour; lab, 6 hours. Prerequisite: ATO 1210, ATO 1220, ATO 1240, ATO 1250, ATO 1260, ATO 2200, ATO 2210, ATO 2220.

### ATO 2280. Computerized Engine Controls. 3 hrs.

This course is designed to teach how computers aid in controlling fuel systems, electronic ignition and emission control devices. On-Board Diagnostic Generation I and II systems will be taught along with all of the various engine input and output devices and how they work with the engine computer (PCM). During the lab, scanner and digital storage oscilloscopes will be used to solve OBD problems. Lecture, 2 hours; lab, 2 hours. Prerequisite: ATO 1220, ATO 1250, ATO 2210, ATO 2220.

### ATO 2290. Automotive Certification. 1 hr.

This lecture course is designed to assist the advanced automotive student or the experienced automotive technician who is preparing to take the National Institute for Automotive Service Excellence Certification Examination. Lecture, 1 hour. Prerequisite: ATO 1210, ATO 1220, ATO 1240, ATO 1250, ATO 1260, ATO 2200, ATO 2210, ATO 2230, ATO 2250.

# Biology

## Courses

### **BIO 000A. Biology Elective. 0 hrs.**

### **BIO 1000. The Global Environment. 3 hrs.**

A study of the human relationships with and responsibility for the health and well-being of our earth. Ecology, the branch of science investigating the relationships of an organism (human) with its environment (earth) is the emphasis of this course. Major considerations are given to the use and misuse of the earth's energy and material resources, the consequences and alternatives to human actions and the individual physical costs plus collective social costs. IAI: L1 905.

### **BIO 1001. General Biology I. 4 hrs.**

An integrated course covering the fundamentals of the plant and animal world. Special attention is given to the structure and function of cells, the genetic continuity of life, and evolution. Lecture, two hours per week; seminar, one hour per week; lab, two hours per week. IAI: L1 900L.

### **BIO 1002. General Biology II. 4 hrs.**

This course reinforces the concepts introduced in BIO 101 with an emphasis on human biology, ecology, and the diversity of life. Special attention is given to the biological processes of digestion, respiration, circulation, excretion, communication and reproduction. Prerequisite: BIO 1001 or consent of the instructor.

### **BIO 1003. Principles of Biology. 4 hrs.**

This course will present the unifying concepts of biology which form the foundation for the biological sciences. The topics will include the chemical and physical foundations of biology, cellular structure and functions of the cell, energetics of cellular respiration and photosynthesis, Mendelian and molecular genetics, and population genetics and natural selection. Lecture, two hours per week; seminar, one hour per week; lab, three hours per week. Suggested for majors or minors. Prerequisite: High school chemistry and concurrent enrollment in CHM 1004 or CHM 1006. IAI: L1 910L; BIO 910.

### **BIO 1004. Biological Diversity. 4 hrs.**

This course will include the structure, function, evolutionary relationships, and ecological principles found in the plant and animal world. The major systems of plants and animals will be included in this course. Lecture, two hours per week; seminar, one hour per week; lab, three hours per week. Prerequisite: BIO 1003. IAI: L1 910L; BIO 910.

### **BIO 1007. Anatomy & Physiology I. 4 hrs.**

This course involves an introductory study of the structure and function of the human body. A study of cytology, histology, and five organ systems (skeletal, muscular, nervous, integumentary, and endocrine) illustrates the relationships between structures and their functions. Laboratory - exercises include cat dissection, cadaver demonstration and other materials. Lecture two hours per week; lab three hours per week; seminar one hour per week. Prerequisite: None, but BIO 1200 or BIO 1001 is recommended for students with a limited science background.

### **BIO 1008. Anatomy & Physiology II. 4 hrs.**

A continuation of BIO 1007, this course completes an introductory study of the structure and function of the human body. Six major systems: reproductive, circulatory, lymphatic, respiratory, digestive, and excretory are studied, along with metabolism and regulation of fluids, electrolytes and pH. Lecture two hours per week; lab three hours per week; seminar one hour per week. Prerequisite: BIO 1007, or THM 1206 and THM 1216, or consent of the instructor.

### **BIO 1009. Microbiology. 4 hrs.**

An introductory study of the nature and activities of micro-organisms and their effect on human affairs. Emphasis is on the fundamental principles and their applications. Lecture, two hours per week; seminar, one hour per week; lab, three hours per week. Prerequisite: BIO 1001 or BIO 1003 or BIO 1007 or THM 1206 and THM 1202.

### **BIO 1200. Human Body Structure & Function. 3 hrs.**

This course will emphasize the anatomy (structure) and physiology (function) of the human body. Lecture, demonstrations, discussions and laboratory activities focus on how the body is constructed and how it functions.



# Business

## Courses

### **BUS 000A. Business Elective. 0 hrs.**

### **BUS 1010. Introduction To Business. 3 hrs.**

An introductory survey course covering such topics as management, marketing, finance, labor relations and business government relations. The course is designed to provide students an opportunity to learn business terminology and to understand the interrelatedness of the various business functions.

### **BUS 1200. Stocks and Bonds. 3 hrs.**

A study of stock and bond markets; fundamental principles of financial investments; determination of investment procedures, management of investment funds; a look at the commodity market; and an understanding of the options market.

### **BUS 1201. Let's Talk Business. 1 hr.**

This course is designed to show the integration of the content across the two target courses: Fundamentals of Accounting and Introduction to Business. An understanding of this connection between the courses will help to ease the student's transition into college-level business degree programs. Guest speakers and field trips, both off-campus and on-campus, will expand the scope of the business and accounting courses to which it is linked. Prerequisite: Concurrent enrollment in ACT 1210 and BUS 1010.

### **BUS 1210. Speedwriting I. 3 hrs.**

Speedwriting is a shorthand system based on the letters of the alphabet. It is easy to learn and to transcribe. The first semester of Speedwriting concentrates on the theory of speedwriting and reinforcement of basic English, spelling, punctuation, proofreading, and other transcription skills. It is designed to develop dictation-taking ability of 60-80 words per minute. Prerequisite: CSP 1230 or consent of instructor.

### **BUS 1230. Math for Business & Finance. 3 hrs.**

A review of the fundamental mathematical process, fractions, and percentages. A study of discounts, commissions, depreciation, overhead, interest, bank discount, amortized mortgage loans, balance sheet ratios, simple statistical measures, financial statements, graphs, stocks and bonds, solving for the unknown, and time value of money. Prerequisite: Appropriate score on the Math placement test or successful completion of MTH 0900 with a "C" or better.

### **BUS 1299. Special Topics in Business. 0.5 hrs.**

This course is designed to meet the needs of businesses, schools, or other local groups for specialized education experiences. Each class will be individualized to a particular set of needs and a credit value assigned for each section offered. Typical examples include business ethics, customer service and benefit package evaluation. This course may be repeated for a maximum of 3 times.

### **BUS 2000. International Business. 3 hrs.**

This course focuses on the environmental complexities that arise when business activities and institutions transcend international borders. Emphasis is on the impact and the dynamics of sociocultural, demographic, economic, technological, and political-legal factors in the foreign trade environment. Topics include globalization, patterns of world trade, operation procedures of the multinational enterprise, international monetary systems, foreign exchange markets, international marketing and global supply chain management.

### **BUS 2210. Business Internship. 3 hrs.**

Students work in jobs directly related to their field of study. This gives them a first-hand opportunity to see the principles they are learning in the classroom put into practice. This course may be repeated for credit. Lab, fifteen hours per week. Prerequisite: Consent of instructor.

### **BUS 2230. Special Topics: Women in Business. 0.5 hrs.**

This course is designed to meet the needs of women for specialized business education experiences. Each class will be individualized to a particular set of needs and a credit value assigned for each section offered. Typical examples include: women's management techniques, presenting a professional image, business communication and the sexes, and women entrepreneurship and small business management. This course may be repeated a maximum of six semester hours.

### **BUS 2250. Studies in Free Enterprise I. 1 hr.**

The student will gain a better understanding of how the free market functions. They will develop professional skills, interact with community groups, be better prepared for job placement and/or transfer to another university, and improve written and oral skills.

### **BUS 2251. Studies in Free Enterprise II. 1 hr.**

The student will gain a better understanding of how the free market functions. They will develop professional skills, interact with community groups, be better prepared for job placement and/or transfer to another university, and improve written and oral skills. Prerequisite: BUS 2250 or consent of instructor.

### **BUS 2252. Studies in Free Enterprise III. 1 hr.**

The student will gain a better understanding of how the free market functions. The student will develop professional skills, interact with community groups, be better prepared for job placement and/or transfer to another university, and improve written and oral skills.

### **BUS 2253. Studies in Free Enterprise IV. 1 hr.**

The student will gain a better understanding of how the free market functions. The student will develop professional skills, interact with community groups, be better prepared for job placement and/or transfer to another university, and improve written and oral skills.

### **BUS 2260. Integrated Business Operations. 3 hrs.**

This course offers students in business, computer or industrial programs the opportunity to form and run a small company. Each student company prepares a marketing plan, does a cost analysis, designs, manufactures, and sells a product. Students have the opportunity to interact with those from different functional areas and develop an understanding of the overall considerations involved in running a business. Prerequisite: Sophomore standing.

# Business Law

## Courses

### **BUL 2000. The Legal Environment of Business. 3 hrs.**

This course deals with the legal environment in which businesses operate. The general areas of study are: the legal framework of business, antitrust law, consumer law, securities law, labor law, and the social environment of business. Some specific topics include: the judicial system, the Clayton Act, Sherman Act, FTC, product liability, truth in lending agency, S.E.C., labor law, the constitution, environment law, and international law.

### **BUL 2010. Business Law I. 3 hrs.**

Brief surveys of the basic principles of law that govern the relations of people both individually and collectively. A consideration of courts and court procedure, the law of contracts, personal property and bailments, and sales contracts.

### **BUL 2020. Business Law II. 3 hrs.**

This course is a study of legal principles as they relate to people both individually and collectively and to business operations. Topics to be included are: partnerships, corporations, real property, estates, government regulations, labor law, and other related topics.

# Certified Production Technician

## Courses

### **GNT 1200. Technical Orientation. 1 hr.**

### **GNT 1201. Industrial Production Techniques. 0.5 hrs.**

This course is designed to meet the needs of industry and industrial employees for specialized education experiences. Each class will be individualized to a particular set of needs and a credit value assigned for each section offered. Typical examples include: inspection and measuring techniques, tool set-up, and machine operation techniques. This course may be repeated for a maximum of three times.

### **GNT 1210. Taste of Engineering Class. 2 hrs.**

This course utilizes a hands-on design project to teach basic technology skills while focusing on a single project from start to finish.

### **GNT 1220. Intro Manufacturing & OSHA 10-hr Safety. 4 hrs.**

This course provides the student with an introduction to the manufacturing world and provides specific instruction to facilitate safe work practices in industrial environments. Introduces manufacturing specializations such as mechatronics, precision machining and welding. Covers fire safety, pressurized gases, electrical hazards, and safe machine usage. Students will also become acquainted with OSHA policy. The OSHA 10-Hour General Industry card will be earned upon successful completion of this class. Students will have the opportunity to earn the Safety Certification through Manufacturing Skill Standards Council (MSSC). Lecture, 3 hours; lab 2 hours.

### **GNT 1225. Quality & Measurement. 2 hrs.**

This course provides an introduction to controlling and improving quality in a manufacturing setting. Explores ways that manufacturers use data and analysis to improve quality. Students will have the opportunity to earn the Quality and Measurement Certification through the Manufacturing Skills Standards Council (MSSC). Lecture, 1 hour; lab, 2 hours. Co-requisite: GNT 1220.

### **GNT 1230. Manufacturing Processes. 3 hrs.**

This course introduces the basics of how manufacturing transforms materials into products. Students will learn about the varying types of production and will learn about the materials that are used in production and the types of processes used in manufacturing including machining, casting, and assembly. Students will have the opportunity to earn the Manufacturing Process and Production Certification through the Manufacturing Skill Standards Council (MSSC). Lecture, 2 hours; lab, 2 hours. Co-requisite: GNT 1220.

### **GNT 1235. Introduction Manufacturing Maintenance. 2 hrs.**

This course provides a basic understanding of tools and equipment used in manufacturing and knowledge of how to improve productivity through predictive and preventive maintenance. Students will have the opportunity to earn the Manufacturing Maintenance Certification through the Manufacturing Skill Standards Council (MSSC). Lecture, 1 hour; lab 2 hours. Co-requisite: GNT 1220.

### **GNT 1240. OSHA 30 Hour General Industry. 3 hrs.**

This course covers introduction of OSHA, the ACT, and OSHA standards for 29 CFR 1910 and fulfills the requirements for the OSHA 30 Hour General Industry card. Lecture, 3 hours.

# Chemistry

## Courses

### **CHM 1000. Introduction To Chemistry. 3 hrs.**

This course surveys the fundamental concepts of chemistry as these topics apply to personal and societal issues such as the environment, energy production, technology and medicine. A non-mathematical approach is used where possible. The course is intended for non-science majors or as a background for science majors but does not serve as a prerequisite for any advanced chemistry course. Lecture, three hours per week. IAI: P1 902.

### **CHM 1004. Chemistry. 4 hrs.**

This is an introductory course in chemistry suitable as a general education laboratory science course or as a preparatory course for general chemistry. Basic ideas, terminology, and mathematical skills are emphasized. Concepts of energy, atomic structure and bonding, formulas, nomenclature, equations, stoichiometry, states of matter, solutions, and some nuclear and organic chemistry are covered. Two lecture hours per week; two lab hours per week; one seminar hour per week. Prerequisite: Intermediate Algebra or concurrent enrollment. IAI: P1 902L.

### **CHM 1005. Survey of Organic & Biochemistry. 4 hrs.**

This course is designed to provide students with the knowledge and skills needed for Allied Health, Agriculture, and other related majors. It covers the fundamentals of Organic Chemistry with emphasis on nomenclature, isomerism, properties and reactions of different classes of organic compounds such as alkanes, alkenes, alkynes, arenes, alkyl halides, alcohols/thiols, aldehydes ketones, amines, carboxylic acids and derivatives. In addition, the course provides an overview of biochemical topics such as amino acids, proteins, carbohydrates, lipids, enzymes, vitamins, generation of biochemical energy, nucleic acids and proteins. Three lecture hours per week; three lab hours per week. Prerequisite: CHM 1004 with minimum grade of C.

### **CHM 1006. General Chemistry I. 5 hrs.**

This course covers the general principles of chemistry including atomic theory, bonding, and molecular geometry, stoichiometry, the states of matter, thermodynamics, nuclear chemistry, and solutions. Laboratory emphasizes quantitative work. The course is recommended for students with a year of high school chemistry and at least one and one-half units of algebra and a satisfactory score on the chemistry placement examination. Lecture, three hours per week; seminar, one hour per week; lab, three hours per week. Prerequisite: CHM 1004 or one year of high school chemistry, one and one-half units of high school algebra and appropriate score on the Accuplacer College Level Math Test or MTH 1003 or MTH 1005 an one year of high school chemistry. IAI: P1 902L; CHM 911.

### **CHM 1007. General Chemistry II. 5 hrs.**

This course is a continuation of CHM 1006. Topics include kinetics, equilibrium, acid-base theories, buffers, electrochemistry, coordination chemistry, and organic chemistry. Laboratory includes gravimetric, volumetric, electroanalytic, and spectrophotometric methods of analysis. Lecture, two hours per week; seminar, one hour per week; lab, six hours per week. Prerequisite: CHM 1006. IAI: CHM 912.

### **CHM 2001. Quantitative Analysis. 5 hrs.**

This is a course designed to give the student the theoretical and practical knowledge of gravimetric, volumetric, and instrumental methods of quantitative chemical analysis. Lecture, two hours per week; seminar, one hour per week; lab, six hours per week. Prerequisite: CHM 1007 or equivalent.

### **CHM 2002. Organic Chemistry. 5 hrs.**

The course covers the fundamental principles of organic chemistry stressing the preparation, reactions, mechanisms, and structure of organic compounds. Laboratory includes basic techniques in compound purification, synthesis and identification. Hands-on application of infra-red spectroscopy and gas chromatography are utilized in qualitative and quantitative analysis of organic compounds. Lecture, two hours per week; seminar, one hour per week; lab, six hours per week. Prerequisite: CHM 1007 or the equivalent or consent of instructor. IAI: CHM 913.

### **CHM 2003. Organic Chemistry II. 5 hrs.**

This course is a continuation of Organic Chemistry I and including applications of mechanisms to synthetic reactions, the use of special data in the determination of structure and analysis, and natural products. Lecture, two hours per week; seminar, one hour per week; lab, six hours per week. Prerequisite: Grade of C or better in CHM 2002 or equivalent. IAI: CHM 914.

# Computer Aided Drafting

## Courses

### **CAD 1200. Computer Aided Draft I AutoCAD. 3 hrs.**

This course is an introduction to computer-aided drafting (CAD) for use in basic mechanical drafting principles. Students will learn the basics of 2D CAD and its applications to different industries. Students compare 2D CAD operations to 3D and compare the different types of software used in both. This course will focus on the basics of AutoCAD. Content will include such topics as: setting up drawings, constructing lines, circles, arcs and other shapes. Basics of geometric construction and adding text will be included. Students will use display and editing techniques as well to obtain information about their drawings and work with layers and drawing files. This course examines basic dimensioning and tolerancing concepts. Students will learn to produce pictorial drawings and orthographic layouts. Upon completion a student will know how to read and interpret engineering drawings. Lecture, 2 hours; lab, 2 hours. IAI: IND 911.

### **CAD 1201. Comp Aided Draft II, Using AutoCAD. 3 hrs.**

This course is designed to build on the skills acquired in the Computer Aided Drafting I course. This course builds on the fundamentals of drafting. Students familiar with basic drafting terminology will produce detail drawings and assemblies to produce production drawings using 2D CAD (AutoCAD). Advanced principles of dimensioning will be used to produce industry standard drawings. Students will use real world projects to compile drawings, check drawings and plot the working drawing package. Additional fundamentals of CAD such as blocks, attributes, external references, and an introduction to parametric drawings will be explored. Students will learn how to use AutoCAD to draw and edit polylines, set layers, line types and colors; dimension drawings; create section lines and graphic patterns, design symbols and attributes for multiple use. Upon completion a student will know how to draft, read and interpret engineering drawings. Lecture, 2 hours; lab, 2 hours. Prerequisite: CAD 1200 or consent of the instructor.

### **CAD 1202. Civil Applications of CAD. 3 hrs.**

This course introduces the CAD technician to civil applications. Emphasis is placed upon preparing survey plats and topographical drawings from surveyor coordinates. Lecture, 2 hours; lab, 2 hours. (Students with working knowledge of AutoCAD may enroll by consent of instructor.)

### **CAD 1203. Electronics Drafting. 2 hrs.**

This course trains the student in reading blueprints (technical drawings). This course contains principles involved with blueprint reading and sketching principles, concepts, ANSI and ISO drafting symbols and standards, terminology, manufacturing process notes and other related technical information contained on a mechanical or CAD produced engineering drawing. Lecture, 1 hour; lab, 2 hours. Prerequisite: DFT 1200 OR CAD 1200.

### **CAD 1206. Descriptive Geometry and Development Drawings.. 3 hrs.**

This class will deal with descriptive geometry, the graphical representation and solution of spatial relationships of points, lines and planes by means of projections. The drafter will understand the various steps to graphically solve problems with points, lines and planes and apply descriptive geometry to various drafting problems. Also, the drafter will learn surface developments patterns for the bending or folding of a material to a required shape. Lecture, 2 hour; lab, 2 hours. Prerequisite: DFT 1200 (Students with one year of high school drafting or drafting experience may enroll by consent of instructor.)

### **CAD 2200. Computer Aided Design I. 3 hrs.**

This course is intended to prepare the student for the role of engineering design as it relates to Computer Aided Drafting/Design. This course will teach the student to implement the use of the 3D solid modeling CAD package SolidWorks. Students will learn the key skills and knowledge required to design models starting with 2D sketching, solid part modeling, assembly creation, and drawing production. Emphasis will be given to design intent. The student will use the design process to plan and develop a design for manufacture. The student will prepare models of this design to be prototyped by 3D printing. Production drawings of this design will be plotted and checked. Lecture, 2 hours; lab, 2 hours.

### **CAD 2201. Computer Aided Design II. 3 hrs.**

In this advanced competency-based course students will be prepared for careers in engineering technology. This course is a continuation of Computer Aided Design I and includes computer graphic principles as they relate to the concepts of CAD Solid Modeling. Students will gain advanced skills in drafting layout, CAD editing techniques, dimensioning and visual presentation. Students will learn how to create virtual 3-D models and how to render them with color, light and shadows. These principles will be applied to the latest educational version of SolidWorks. Principles will include advanced modeling parts and assemblies and creation of working drawings. Students will use the design process to develop models to prototyping a product. Students will prepare models to be printed on a 3D and prepare production drawing for this product. Students will be able to take the SolidWorks Certified Associates exam at the end of this course. Students passing the exam will be issued a certificate of passing. Students will be able to utilize and reinforce their intermediate workplace skills, including teamwork, communication and math skills. Lecture: two hours per week, lab two hours per week. Prerequisite: CAD 2200.

### **CAD 2202. Architectural CAD. 3 hrs.**

This course is designed to develop an understanding of drafting procedures in preparation of architectural, civil and construction drawings. Units of study will include graphic representation of residential and commercial buildings, site analysis, building codes, conventional symbols, spatial concepts, and the use of various materials related to construction. The basis of the course work will consist of the preparation of detail working drawings for construction purposes. Lecture, 2 hours; lab, 2 hours. Prerequisite: CAD 1200.

### **CAD 2203. Engineering Design Concepts. 3 hrs.**

This course introduces the CAD technician to key engineering design concepts. Emphasis is placed upon strength of materials (such as stresses, shear, bending and beam design) and the ability to calculate and analyze the forces that operate upon static structures. Lecture, 2. hours; lab, 2 hours. Prerequisite: MTH 1206 and CAD 1200.

### **CAD 2204. Geometric Dimensioning & Tolerancing. 3 hrs.**

This is a course in Geometric Tolerance and Dimensions including tolerances of form and position or location control. The student will learn methods of indicating geometric tolerances by means of geometric characteristic symbols, as recommended by ANSI, rather than by traditional notes. Lecture, 2 hours; lab, 2 hours. Prerequisite: DFT 1201 (Students with equivalent industrial experience may enroll by consent of instructor.)

### **CAD 2206. Design Technician Internship. 3 hrs.**

Individual students will be assigned to an engineering department in local industries. Work will be that normally performed by a design technician. Students meet one hour per week with instructor and spend 15 hours per week on the job. Prerequisite: Consent of instructor.

### **CAD 2208. Design Projects. 4 hrs.**

This course will give the student the opportunity to apply the knowledge and training achieved in preceding courses in an "on-the-job" situation. Assignments will consist of analysis of problems, synthesis, preliminary design, layout, and production of the final set of working drawings. Students in this class will participate in the award winning MIMIC (Making Industry Meaningful In College) program. Students from CAD, Electronics, Marketing, Accounting and Manufacturing will be teamed together in companies to design, market and sell a product on campus. Lecture 2 hours; lab, 4 hours. Prerequisite: CAD 1201 and CAD 2200.

# Computer Numerical Control

## Courses

### **CNC 1200. Fundamentals of CNC Operations. 3 hrs.**

In this course, the student will learn the basics of computer numerical control. They will, by the end of the semester, have a knowledge of the types of machines, purpose, and controls. They will also study basic CNC operation and programming. Lecture, two hours per week; lab, two hours per week.

### **CNC 1202. CNC Milling Machine Operations. 3 hrs.**

Students will learn about the basic and advanced features of CNC milling machines, including controls and programming. They will learn how to read blueprints and use GM codes to write programs. Students will also learn how to select tools, speeds and feeds for different operations and materials. They will also learn how to download and upload files from a computer. Lecture, 1.5 hours; lab, 3 hours. Prerequisite: CNC 1200.

### **CNC 1204. CNC Turning Center Operations I. 3 hrs.**

Students will learn basic CNC Turning Center Operations (Lathe). The student will learn basic CNC Lathe components and operations, understand and write part programs, and learn Lathe operator skills. Proper loading of programs into the machine control, verifying accuracy and program editing, and the basis of speeds and feeds will also be taught. Lecture, 2 hours; lab, 2 hours. Prerequisite: CNC 1200 and CNC 1202.

### **CNC 1206. CNC Turning Machine Operations II. 3 hrs.**

This course is a continuation of CNC Turning Center Operations I (CNC 1204). The student will learn how to control quality, basic and advanced setup skills, and advanced programming skills. Lecture, 2 hours; lab, 2 hours. Prerequisite: CNC 1204.



# Computer Technology

## CSD Courses

### CSD 1200. Microsoft Access -SP. 1 hr.

This self-paced course introduces students to Microsoft's database software for the Windows environment. A complete introduction including: tables, query, forms and reports. Lecture, 1 hour.

### CSD 1210. Comprehensive Access. 3 hrs.

In this comprehensive course in Microsoft Access, student will learn basic through advanced database topics to create and maintain databases. Tables, Fields, Relationships, Queries, Forms, Reports, Switchboards, and SQL will be covered. (MS Office Professional ProPlus 2016 -- Free to Students.) Lecture, 2 hours; lab, 2 hours.

## CSG Courses

### CSG 1200. Introduction To Desktop Publishing. 3 hrs.

The student will be introduced to the field of Desktop Publishing using the PageMaker page layout program. Basic concepts of text flow, graphic creation and placement, types of graphics, and type specifications are covered. Lecture, 2 hours; lab, 2 hours.

### CSG 1202. Photoshop - SP. 3 hrs.

This course offers a project-based series of lessons to learn Adobe PhotoShop program's features and capabilities. Individualized instruction-open entry. A tutorial type of text is used. (Photoshop version CS5 with Bridge) Lecture, 3 hours. (Students must have previous computer experience working with Microsoft Windows.)

### CSG 1205. Microsoft Power Point - SP. 1 hr.

This course is an introduction to Microsoft PowerPoint for Windows. It will include lessons on creating and modifying a presentation, use of PowerPoint help, using outline view, using clip art, linking a chart to a presentation, and using slide show features. This course may be offered as web or as a traditional lecture and lab. (PowerPoint version 2010) Lecture, .5 hour; lab, 1 hour. (Students must have previous computer experience working with Microsoft Windows.)

### CSG 2200. Advanced Desktop Publishing. 3 hrs.

An advanced course using the PageMaker page layout software. The student will study advanced procedures and production techniques including: templates, master pages, style, copy fitting, color, story editor, file linking, and table editor. Long document assembly including indexing and table of contents generator will be covered, as well as scanning of images. Lecture, 2 hours; lab, 2 hours.

### CSG 2202. Advanced Photoshop - SP. 3 hrs.

This self-paced course offers a project-based series of lessons to learn advanced Adobe Photoshop feature and capabilities. Adobe Photoshop provides a wide range of tools for users to achieve photographic and design effects that were previously created only with painstaking, traditional darkroom methods. Photoshop is used in both Desktop Publishing and Web Page Design. (Photoshop version CS5 with Bridge) Lecture, 3 hours. Prerequisite: CSG 1202.

## CSI Courses

### CSI 1001. Fortran Programming. 3 hrs.

A beginning course covering the solution of problems using a digital computer. Topics include: computer architecture, problem definition, algorithm development, and both numeric and alphanumeric applications involving use of the FORTRAN programming language. Students will use the college computing facilities for writing programs.

### CSI 1002. Intro To Business Computer Systems. 3 hrs.

A course for many different majors planning to transfer to a four-year institution. Computer concepts, terminology, equipment, system analysis and design; management information systems; and applications are surveyed. Business application skills in the microcomputer areas of spreadsheet, database, word processing and presentation are emphasized. Use of e-mail and the world wide web are used throughout the course. (MS Office Professional ProPlus 2016 -- Free to Students.) Lecture, 3 hours.

### CSI 1003. C. Programming. 4 hrs.

This course will teach structured programming concepts using the C language. Algorithm design and implementation are emphasized. Topics include: data types, operators, input/output statements functions, arrays and pointers.

### CSI 1007. C++ Programming. 4 hrs.

This course will teach structured programming concepts using C++ language. Algorithm design and implementation are emphasized. Topics include: data types, operators, input/output statements functions, arrays and pointers. Prerequisite: CSI 1000 or previous programming experience. Lecture 4 hours. IAI: CS 911.

### CSI 1008. Visual Basic.Net Programming. 3 hrs.

The course is designed to introduce the students with previous programming experience to visual programming. Students will learn Visual Basic's built in functions, as well as, work with decision and repetition structures. Other topics will include arrays, functions and databases. Lecture, 2 hours; lab, 2 hours. Prerequisite: CSI 1011.

### CSI 1011. Computer Science I. 4 hrs.

The first in a sequence of courses for computer science, mathematics and engineering majors. This course introduces procedural programming and advances to object-oriented programming. Topics include: algorithm development, input/output selection, repetition, using objects, creating objects, arrays, records and files. Students learn best programming practices, documentation, and testing. This course is equivalent to the College Board Computer Science A AP exam. Lecture, 3 hours; lab, 2 hours. Prerequisite: MTH 0907 or MTH 1206 (with instructor consent). IAI CS 911.

### CSI 1012. Object Oriented Programming. 4 hrs.

Introduces the concepts of object oriented programming to students with a background in the procedural paradigm. Taught using the Java programming language. The course begins with a review of control structures and datatypes with emphasis on structured data types and array processing. It then moves to introduce the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Additional topics may include overview of simple analysis of algorithms, basic searching and sorting techniques and an introduction to software engineering issues. Lecture, 3 hours; lab, 2 hours. Prerequisite: CSI 1011 with a grade of C or better. IAI: CS 911.

### CSI 1013. Discrete Mathematics. 3 hrs.

This course offers an intensive introduction to discrete mathematics as it is used in computer science. Topics include functions, relations, sets, propositional and predicate logic, simple circuit logic, proof techniques, elementary combinatorics, and discrete probability. Three hours of lecture. Prerequisite: MTH 0907, Intermediate algebra (or equivalent) with a grade of C or better.

### CSI 1200. Computer Logic With Basic. 4 hrs.

The course introduces the student to structured programming logic. Students will design program solutions and then translate the solution into a complete program using the QuickBASIC language.

### CSI 1201. Rpg/400. 3 hrs.

This course is designed to give students a comprehensive knowledge of RPG/400 programming. The students will design, code, compile, and test programs emphasizing business applications.

### CSI 1299. Special Topics in Computers. 0.5 hrs.

CSI 1299 is a variable credit course offering .5 - 4 credits. This course's topics vary according to the semester taught. It is taken by students who need a course for substitution during times when the computer curriculum changes. Each class will be individualized to a particular set of needs and a credit value assigned for each section offered.

### CSI 2001. Computer Programming in COBOL. 3 hrs.

This course is designed to give the student a comprehensive knowledge of COBOL programming. The student will design, code, compile, and test programs to solve problems similar to those which exist in business. Lecture, 3 hours.

### CSI 2002. Programming Systems. 4 hrs.

An introduction to programming using the COBOL language. Structured design and modular programming techniques are used. Topics of discussion and problems include the general composition of high-level languages, problem solving and the programming process, control breaks, and table and sequential file processing using direct access storage facilities.

### CSI 2003. Advanced Programming Systems. 3 hrs.

Advanced programming in the COBOL language and CICS. Topics include internal and external SORT, subroutines, and the Report Writer feature in COBOL. VSAM file handling is also discussed. Introductory communications for an outline environment is taught using CICS language. Lecture, two hours per week; lab, two hours per week.



**CSI 2006. Programming Systems with COBOL. 5 hrs.**

This course is designed to provide the students with beginning and advanced business programming concepts using the COBOL language. Topics will include basic structured programming concepts, control breaks, sorting, SEARCH, table handling, sequential file processing, Report Writer, direct and indexed files, and interactive programming. Lecture, 4 hours; lab, 2 hours.

**CSI 2011. Computer Science II. 4 hrs.**

This is the second course in a sequence of courses for computer science majors. This course covers the design, coding, and implementation of larger projects involving multiple objects/classes using inheritance, generics and interfaces. Topics include: data structures (stacks, queues, lists, iterators, trees, heaps), recursion, algorithm efficiency, sorts, and some GUI programming. Lecture: 3 hours; lab, 2 hours. Prerequisite: CSI 1011. IAI: CS 912.

**CSI 2205. Advanced Visual BASIC. 3 hrs.**

This course is an advanced programming course in the Visual Basic Language. Building on what students previously learned in the Visual Basic course, they will work with events, active X controls, and reuse code with class modules. Students will learn how to develop a project for distribution.

**CSI 2208. Advanced Visual Basic.Net. 3 hrs.**

The course is designed to build onto what students previously learned in CSI 1008 (Visual Basic.Net Programming). Students will learn how to build multitier program with classes and windows applications using database. Topic like web application and their database concepts, web services, crystal reports, collection and user controls will be covered.

**CSI 2222. Computer Information Systems Internship. 3 hrs.**

Students will work in jobs directly related to their field of study. This gives the student an opportunity to utilize the principles and skills they have learned in the classroom in real-world situations. Individual students are responsible for contacting a local business to secure an internship position. Students must complete 225 hours of on-the-job work experience. Prerequisite: Consent of the Program Coordinator.

## CSM Courses

**CSM 1209. Management Information Systems. 3 hrs.**

This course will cover the use of information systems that help businesses achieve their goals. The topics include business process modeling, hardware and software systems used in corporate environments, the cloud, social media, systems development methods, management, information systems, decision-support systems and expert systems. Students will also learn how to use the Internet for communication, collaboration, and research purposes. Lecture, 3 hours. Co-requisite: CSP 1203.

**CSM 2240. Office Management. 3 hrs.**

This course will prepare students for the role of the professional office manager in today's global job market. Topics to be covered include defining the administrative office manager, understanding the basic forms of organizations, developing problem-solving skills, recruiting and orienting a culturally diverse workforce, and analyzing office jobs, salaries, benefits, and workplace issues. Also covered will be resume writing, travel arrangements, planning meetings and conferences, and time and record management. Lecture, 3 hours. Prerequisite: CSP 1203 and ENG 1205 or ENG 1001.

## CSN Courses

**CSN 1200. Using Internet and The World Wide Web. 3 hrs.**

This course is an introductory-level course designed to equip the student with the necessary tools to navigate through the World Wide Web. Topics include E-mailing, browsing, searching, communicating, and downloading. Also, basic web page construction and web security will be covered. Lecture, 2 hours; lab, 2 hours.

**CSN 1201. Web Page Development & HTML. 3 hrs.**

The major emphasis of this course is to expose the student to the practical applications of the Internet and how the Internet can contribute to the enhancement of personal, family, and professional growth. The main topics of the course include Web page layout, design, and HTML programming. Lecture, 2 hours; lab, 2 hours. (Previous computer and Internet experience recommended.)

**CSN 1202. Web Site Development. 3 hrs.**

Creation of sophisticated web pages and applications; advanced skills in web site organization; updating of web content; using Microsoft Expression Web. Topics include text formatting, working with images, working with hyperlinks, creating tables, creating forms, and creating page layouts. (Expression Web 3) Lecture, 2 hours; lab, 2 hours. (Previous computer and internet experience recommended.)

**CSN 1225. Core Networking Technologies. 3 hrs.**

The course introduces the student to the essential terminology and basic concepts of networking. These will consist of network components, designs, and physical media. Networking topics will include media, topologies, protocols, networking devices, network design and layouts, basic troubleshooting, security, and documentation. Lecture, 2 hours; lab, 2 hours.

**CSN 1230. Network Administration I. 3 hrs.**

An introductory course to Microsoft Server network operating system. Basic system administration and troubleshooting are covered. Creation of user accounts, groups, storage management are examined and applied through lecture, demonstration and hands-on activities. Lecture, 2 hours; Lab, 2 hours. Prerequisite: CSN 1225 or concurrent enrollment.

**CSN 1231. Network Administration II. 3 hrs.**

A second course to the Microsoft Server network operating system. Advanced system administration and services are covered. Lecture, 2 hours; lab, 2 hours. Prerequisite: CSN 1230.

**CSN 1233. Network Administration III. 3 hrs.**

This course offers students a look at contemporary network operating systems. Topics may vary from semester to semester to keep abreast of changing technologies. Lecture, 2 hours; lab, 2 hours. Prerequisite: CSN 1230.

**CSN 1234. Securing & Analyzing TCP/IP Networks. 3 hrs.**

Students will learn how to implement and support TCP/IP in local and wide area network environments. Topics will include securing and optimizing a TCP/IP network. This course is intended for network administrators. Lecture, 2 hours; lab, 2 hours. Prerequisite: CSN 1225 and CSN 1230.

**CSN 2200. Advanced Internet Topics - Sp. 3 hrs.**

This course allows independent, in-depth examination of any one or more facets of Internet. Under the guidance of the instructor, students select such topics of interest as network security or a particular kind of library research. Findings are presented at the end-of-semester colloquium. This course may be repeated for credit. Lecture, 3 hours.

**CSN 2222. Computer Networking Internship. 3 hrs.**

Students will work in jobs directly related to their field of study. This gives the student an opportunity to utilize the principles and skills they have learned in the classroom in real-world situations. Individual students are responsible for contacting a local business to secure an internship position. Students must complete 225 hours of on-the-job work experience. Prerequisite: Consent of the Program Coordinator.

**CSN 2250. Speciality Servers. 3 hrs.**

This course will cover working with heterogeneous computer systems. The student will work with current server, LAN, and WAN technology and be able to demonstrate how the systems interact with each other. Lecture, 2 hours; lab, 2 hours. Prerequisite: CSN 1231 and CSO 2200.

**CSN 2260. Network Routing. 3 hrs.**

An introductory course to routing in local-area networks (LANs) and wide-area networks (WANs). Cisco routers and IOS Basics will be covered. Emphasis will be placed on the use of problem solving to solve LAN and WAN networking problems. Lecture, 2 hours; lab, 2 hours. Prerequisite: CSN 1225.

## CSO Courses

**CSO 1201. DOS for Windows. 2 hrs.**

An introduction to the MS-DOS operating system. Topics covered include: directories, files, copying files and disks, erasing files, formatting disks, and hard disk management. Individualized instruction, self-paced-open entry. A tutorial type of text is used. CSO 1201 may not be taken after CSO 1200 and count towards the same degree or certificate. Lecture, 1 hour; lab, 2 hours.

**CSO 1202. Microsoft Windows. 2 hrs.**

Microsoft Windows is an operating system, which allows the user to integrate the different tasks performed on a personal computer. Windows is a graphical user interface that can make DOS based computers more user friendly. (Windows 10) Lecture, 1 hours;lab, 2 hours.

**CSO 1203. Microsoft Windows - SP. 1 hr.**

This is a self-paced course on the Microsoft Windows operating system, which allows the user to integrate the different tasks performed on a personal computer. Windows is a graphical user interface that can make computers more user friendly. Lecture, 1 hour.

**CSO 2200. UNIX Operating System. 3 hrs.**

This course will present a theoretical and hands-on study of the UNIX operating system. Topics include operating system concepts, terminology, file system structure, network communication, and network management. Lecture, 2 hours; lab, 2 hours.

**CSP 2202. Comprehensive Windows. 3 hrs.**

This class will cover the latest release of Windows for the corporate workstation. Topics include installing and upgrading the operating system, configuring hardware and applications, network connectivity, access to resources, backup and recovery options and mobile users. Monitoring and maintaining systems is also covered. At the end of the class, students are prepared to test for the Microsoft 70-680 exam. Lecture, 2 hours; lab, 2 hours.

**CSP Courses****CSP 0001. Community Computer Usage. 0 hrs.****CSP 0002. Orientation Distance Learning. 0 hrs.**

The distance learning orientation is required of all students taking their first online course at IVCC. Students will learn how to get started with their course, will experience some of the technologies used in online courses, and will receive tips on being a successful online student. The orientation is offered online and on campus. A Distance Learning Orientation Welcome provides additional information.

**CSP 0008. Articulation Orientation. 0 hrs.****CSP 000A. Computer Personal Use Elective. 0 hrs.****CSP 000B. Computer Personal Use Elective. 0 hrs.****CSP 000C. Computer Personal Use Elective. 0 hrs.****CSP 1201. Microsoft Works - SP. 1 hr.**

This is an integrated set of software tools designed for use in the workplace or home. Tools include word processor, spreadsheet, and database, all of which use a consistent user menu interface. Individualized instruction-open entry. A tutorial type of text is used. Lecture, 1 hour.

**CSP 1203. Microsoft Office Professional I. 3 hrs.**

Students will gain hands-on experience using the applications included in Microsoft Office Professional. This course is designed to use the basic features of Word, Excel, Access, and PowerPoint, and to integrate data between the applications. Students will also be introduced to topics about purchasing, installing, and maintaining a personal computer system. The mode of instruction for this course may be lecture/lab or web based. (MS Office Professional ProPlus 2016 -- Free to Students.) Lecture, 2 hours; lab, 2 hours. (Previous computer experience is strongly encouraged.)

**CSP 1204. Microsoft Outlook. 3 hrs.**

This course is designed to give the student an outstanding knowledge of the capabilities and mechanics of Microsoft Outlook including sending and receiving e-mail messages and managing their Inbox, scheduling appointments and meetings using the Calendar, creating and managing contacts, tasks and journal entries, using Outlook with the other Office applications, and using Outlook with the Internet. Lecture, 2 hours; lab, 2 hours.

**CSP 1206. Computer Skills for College Success. 1 hr.**

The course objective is to assist students build a foundation for essential application computer skills including basic word processing, basic presentation software, basic use of the Internet and email, computer concepts and file management. The material is developed to ensure that students will see the importance of learning how to use the applications for future coursework. This course is intended for students with no prior computer application experience. Keyboarding experience strongly recommended. (MS Office Professional version 2010 through Summer 2013; MS Office Professional version 2013 Fall 2013.) Lecture, 1 hour.

**CSP 1210. Basic Computer Skills for The Workplace. 1 hr.**

Students will gain basic hands-on experience using Windows, word processing, and spreadsheets. Activities will emphasize their application in the technical and manufacturing workplace. (Windows 10 and MS Office Professional ProPlus 2016 -- Free to Students.) Lecture, .5 hour; lab, 1 hour.

**CSP 1230. Computer Keyboarding Applications. 2 hrs.**

This course is designed to introduce, develop and build basic skills in keyboarding using the touch method. Emphasis is placed on learning the keyboarding technique, and developing speed and accuracy. Topics include letters, memos, reports, and tables. By course end, the goal is the ability to keyboard 37-40 words per minutes in three-minute timed writing, three errors or less.

**CSP 1231. Adv Keyboarding/Document Formatting. 3 hrs.**

This course is a continuation of the computer keyboarding and applications course. Students will develop production level speed in using a personal computer keyboard, applying proofreader's marks, as well as developing advanced document processing skills which includes, multipage correspondence, formal reports; medical, legal and merged documents; and designing office forms and publications. By course end, the goal is the ability to keyboard 50 words per minute in a five-minute time writing, three errors or less. Prerequisite: CSP 1230 or appropriate score on keyboarding proficiency exam. Lecture, 2 hours; lab, 2 hours.

**CSP 2200. PC Troubleshooting, Upgrade & Repair. 3 hrs.**

A hands-on course covering hardware of a personal computer, its peripherals, and its operating system. Preventative maintenance and minor repair of hardware, as well as upgrading and installation of software and hardware, will be discussed. PcPro certification is included in this course. Lecture, 2 hours; lab, 2 hours.

**CSP 2201. Help Desk/User Support. 2 hrs.**

This course will present an overview of the wide range of topics than an entry level user support specialist will be expected to know. This course will include the technical aspects of end user support along with necessary problem-solving and communication skills. Topics will include customer support, help desk organization, procedures, and resources. Lecture, 1.5 hours; lab, 1 hour.

**CSP 2203. Microsoft Office Professional II. 3 hrs.**

This course is a continuation of Microsoft Office Professional I (CSP 1203). It is designed to further develop skills in Microsoft Office applications of Word, Excel, Access, and PowerPoint and the integration of these programs. Microsoft Office Outlook and One Note from Microsoft Office Professional will be introduced. (MS Office Professional ProPlus 2016 -- Free to Students.) Lecture, 2 hours; lab, 2 hours. Prerequisite: CSP 1203.

**CSP 2204. Microsoft Office Professional III. 3 hrs.**

A continuation of topics studied in Microsoft Office Professional II. Advanced topics in Microsoft Word, Excel, Access, and PowerPoint, and Outlook will be covered. Microsoft Publisher will be introduced. Integration of data among the applications will be covered as well as using Visual Basic with some of the applications. (MS Office Professional ProPlus 2016 -- Free to Students.) Lecture, 2 hours; lab, 2 hours. Prerequisite: CSP 2203.

**CSP 2210. Advanced PC Troubleshooting & Repair. 2 hrs.**

The course covers the advanced maintenance of PC hardware and software repair. Heavy emphasis is on the lab activities where students will work in a "real time" environment fixing computer problems and adding and replacing computer parts from various PC vendors. Software problems will be addressed with multiple versions of operating systems and software packages. Lecture, 1 hour; lab, 2 hours.

**CSP 2222. Business Technology Internship. 4 hrs.**

Students will work in jobs directly related to their field of study. This gives the student an opportunity to utilize the principles and skills they have learned in the classroom in real-world situations. Individual students are responsible for contacting a local business to secure an internship position. Students must complete 225 hours of on-the-job experience. Prerequisite: Consent of Program Coordinator.

**CSP 2230. A+ Certification. 1 hr.**

This online course covers the major areas of the CompTIA A+ certification exam and helps prepare the student to take the A+ certification exam. Lecture, 1 hour. Prerequisite: CSP 2200 AND CSN 1225.

**CSS Courses****CSS 1200. Microsoft Excel-SP. 1 hr.**

This introductory self-paced course offers hands-on, practical instruction in the use of the Microsoft Excel spreadsheet program. Students will learn how to analyze and chart data. A tutorial type of text is used. (Excel version 2010) Lecture, 1 hour.

**CSS 1210. Comprehensive Excel. 3 hrs.**

This comprehensive course in Excel, teaches students the basic concepts and continues through advanced spreadsheet topics. Students will use Excel to create and enhance spreadsheets. Formatting, copying, working with lists, charts, macros, printing, working with multiple sheets, and using Visual Basic to enhance sheets will be covered. Students will also learn principles of what if analysis, use data tables, and customize toolbars. (MS Office Professional version 2010 through Summer 2013; MS Office Professional version 2013 Fall 2013.) Lecture, 2 hours; lab, 2 hours. (Previous computer experience recommended.)

**CSS 2200. Advanced Excel. 1 hr.**

This is an advanced course in Microsoft Excel 2013 that covers a number of accounting functions along with several advanced problem solving components. Tasks include analysis of financial statements, depreciation calculations, amortizations, cash flow budgets and projections. (MS Office Professional ProPlus 2016 -- Free to Students.) Lecture: .5 hours; Lab, 1.5 hours. Prerequisite: CSP 1203 or CSS 1200.

# Constitution & Citizenship

## Courses

**CST 0960. Constitution Test Preparation. 0.5 hrs.**

This course is designed to provide review and instruction on the Constitution of the United States and the Constitution of the State of Illinois for educationally mature students seeking to meet GED Constitution testing requirements on this subject matter. The Constitution test is administered through IVCC's Assessment Center. Grading is pass/fail. Prerequisite: None unless specified.

**CST 0970. Citizenship Skills (ABE). 0.5 hrs.**

This course is designed to prepare qualified legal immigrants and refugees for the written and oral sections of the USCIS (United States Citizenship Immigration Services) citizenship exam administered in English. Prerequisite: A TABE (Test of Adult Basic Education) reading score of below 9.0, the ability to read and write basic English, understand and communicate in English orally, and read and write common sight words and basic personal information.

**CST 0980. Citizenship Skills (ASE). 0.5 hrs.**

This course is designed to prepare qualified legal immigrants and refugees for the written and oral sections of the USCIS (United States Citizenship Immigration Services) citizenship exam administered in English. It is primarily geared towards English-speaking students. Prerequisite: A minimum TABE (Test of Adult Basic Education) reading score of 9.0 or higher, the ability to read and write English, understand and communicate well orally and read and write common sight words and basic personal information.

**CST 0990. Citizenship Skills (ESL). 0.5 hrs.**

This course is designed to prepare qualified legal immigrants and refugees for the written and oral sections of the USCIS (United States Citizenship Immigration Services) citizenship exam administered in English. Prerequisite: Ability to read and write English at a student performance level (SPL) of 3 (High Beginning Level) or more as well as understand and communicate well orally in English and read and write common sight words and basic personal information. A minimum BEST (Basic English Skills Test) literacy score of 36, a CELSA (Combined English Language Skills Assessment) score of 20, a BEST Plus score of 418, or permission of the instructor.

**CST 2200. Computer Assisted Instruction. 3 hrs.**

Computer-Assisted Instruction prepares teachers to use computer networks in their curriculum. Instruction includes skills in presenting computers, guiding students in computer use, providing student-centered practice, and evaluating student progress. Emphasis is on the use of computer network functions.



# Criminal Justice

## Courses

### CRJ 1000. Introduction To Criminal Justice. 3 hrs.

This course provides an overview and integration of major concepts, assumptions, developments, and approaches of the criminal justice system, including police, courts, corrections and legislative control. Current events and developments in the criminal justice system will be emphasized. IAI: CRJ 901.

### CRJ 1030. Juvenile Delinquency. 3 hrs.

This course deals with juvenile offender theory and the etiology of deviant behavior. Juvenile procedures and alternative dispositions are examined. IAI: CRJ 914.

### CRJ 1070. Corrections in America. 3 hrs.

The purpose of this course is to examine the philosophical and theoretical study of the American correctional process: including a critique of assumptions, policies, and practices of present correctional institutions and consideration of strategies for implementation of change. Prerequisite: CRJ 1000. IAI: CRJ 911.

### CRJ 1210. Policing in America. 3 hrs.

The course will explore various issues involved in the policing mission through an interdisciplinary perspective, i.e., history, economics, sociology, psychology, etc. The student will become acquainted with the basic elements of policing in America. The concept of a professional police system will be investigated and the relationship of this approach to policing in a free society will be evaluated. Prerequisite: CRJ 1000 or concurrent enrollment.

### CRJ 1240. Investigative Photography. 3 hrs.

This course is an introduction to photography with emphasis on equipment, supplies and the techniques of taking black and white and color pictures. The principles of good photographic documentation of evidence will be stressed through actual photographic assignments.

### CRJ 1260. Administration of Justice. 3 hrs.

This course analyzes what constitutes law and what constitutes crime. The nature of criminal responsibility and the criminal justice mechanism at work are examined. Critical issues of law enforcement will be emphasized. Prerequisite: CRJ 1000.

### CRJ 1290. Security Procedures I. 3 hrs.

The course is one of seven courses used to award proficiency credit to persons completing the Illinois Department of Corrections Training Academy. Students eligible to receive this credit will have successfully completed the Training Academy since 1984. Students must provide proof of completion (either the Academy Certificate or a Training Credit Memo) in order to receive credit. Basic security procedures will be addressed.

### CRJ 1291. Security Procedures II. 3 hrs.

The course is one of seven courses used to award proficiency credit to persons completing the Illinois Department of Corrections Training Academy. Students eligible to receive this credit will have successfully completed the Training Academy since 1984. Students must provide proof of completion (either the Academy Certificate or a Training Credit Memo) in order to receive credit.

### CRJ 1292. Crisis Management. 3 hrs.

The course is one of seven courses used to award proficiency credit to persons completing the Illinois Department of Corrections Training Academy. Students eligible to receive this credit will have successfully completed the Training Academy since 1984. Students must provide proof of completion (either the Academy Certificate or a Training Credit Memo) in order to receive credit. Introduction to handling a variety of crisis security situations will be addressed.

### CRJ 1293. Weapons Proficiency. 3 hrs.

The course is one of seven courses used to award proficiency credit to persons completing the Illinois Department of Corrections Training Academy. Students eligible to receive this credit will have successfully completed the Training Academy since 1984. Students must provide proof of completion (either the Academy Certificate or a Training Credit Memo) in order to receive credit. Basic weapons training will be addressed.

### CRJ 1294. Orientation To Youth Supervision. 3 hrs.

The course is one of seven courses used to award proficiency credit to persons completing the Illinois Department of Corrections Training Academy. Students eligible to receive this credit will have successfully completed the Training Academy since 1984. Students must provide proof of completion (either the Academy Certificate or a Training Credit Memo) in order to receive credit. Introduction to supervision of youth will be addressed.

### CRJ 2010. Criminal Investigation. 3 hrs.

This course will examine the fundamentals of investigation; crime scene applications; the recording, collection and presentation of evidence, investigative techniques and procedures; and follow-up case studies. Prerequisite: CRJ 1000.

### CRJ 2020. Criminal Law. 3 hrs.

This course examines the components, the purposes, and the functions of criminal law. The Illinois Criminal Code is studied with emphasis placed upon identifying the elements of various crimes against person and property.

### CRJ 2030. Evidence and Criminal Procedures. 3 hrs.

This course will acquaint the student with the concept of due process within the criminal justice system. The development and the application of due process are explored. Evolutionary changes in the criminal law that affect the criminal process will also be considered.

### CRJ 2040. Criminology. 3 hrs.

The focus of the course is on the acquisition of knowledge in the area of the conceptual and theoretical aspects of criminal behavior. The emphasis of the course will be on an examination and study of the psychological and sociological behavioral factors related to offender interaction in the criminal justice system. Prerequisite: CRJ 1000. IAI: CRJ 912.

### CRJ 2050. Issues in Criminal Justice. 3 hrs.

In this survey course, students will study a fundamental aspect of the criminal justice field. The course content will be dependent upon the topic chosen. The course may be repeated three times for credit, if the topic(s) of the course is/are different. Prerequisite: CRJ 1000 or concurrent enrollment in CRJ 1000.

### CRJ 2260. Police Community Relations. 3 hrs.

This course takes a human relations approach to exploring the complex factors involved in police-community relations. Good relationships between police practitioners and citizens is viewed as the key to positive police-community relations. The case approach to gaining insights and understandings into the police role, police professionalism, use of discretion, and individual rights is utilized in this course. Prerequisite: CRJ 1000.

### CRJ 2270. Introduction To Criminalistics. 3 hrs.

This course is an introduction to scientific analysis, identification, collection, and preservation of physical evidence.

### CRJ 2280. Criminal Justice Internship. 4 hrs.

This is a practicum arrangement whereby each student receives credit for work experience in a job which is related to course work in the criminal justice area. In addition to learning applications of course material, students will be trained in responsibilities and attitudes. Through planned interrelation of learning experiences in the classroom and on the job, this training strives to make the student initially able to enter the job market. This course may be repeated once for credit. Prerequisite: Sophomore standing and consent of instructor.

### CRJ 2290. Criminal Justice Seminar. 1 hr.

This course is a seminar course in which criminal justice interns will meet with the internship coordinator to discuss their experiences. The seminar will also provide a forum by which the student interns can be assisted with problems and/or areas of concern related to their internship experiences. This course may be repeated once for credit. Prerequisite: Concurrent enrollment in CRJ 2280.

# Dental Assisting

## Courses

### DLA 1200. Dental Science I. 3 hrs.

This course is designed to acquaint the students with basic functions of the body systems, head and neck anatomy, anatomy and function of oral structures, tooth morphology, occlusion and dental terminology. Lecture, three hours per week. Prerequisite: Admission to the Dental Assisting Program.

### DLA 1201. Dental Materials & Lab Procedures. 4 hrs.

This course stresses the physical properties, manipulation and applications of gypsum products, restorative materials, cements, impression materials, and waxes. Lecture, two hours per week; lab, four hours per week. Prerequisite: Admission to the Dental Assisting Program; successful completion with a "C" or better in DLA 1209.

### DLA 1202. Supervised Dental Assisting Practice. 1.5 hr.

This course provides the student with actual clinical experience in four-handed, sit-down dentistry. Through supervised clinical practice in our on-campus clinic an opportunity for developing competence and confidence in the utilization of dental assisting knowledge and skills will be provided to the student. Competence in expanded functions allowed in Illinois will also be developed by the student. Lab, two hours per week; lecture, one-half hour per week. Prerequisite: Completion with a grade of "C" or better of DLA 1200, DLA 1201, DLA 1203, DLA 1204, DLA 1205, DLA 1209; completion of or current enrollment in DLA 1206, DLA 2200, DLA 2201. Must be taken concurrently with DLA 2203 and DLA 2204.

### DLA 1203. Chairside Assisting I. 4 hrs.

This course provides information on the history, ethics, and legal concerns of dentistry. Dental psychology and patient communication skills are emphasized. Principles of four-handed sit-down dentistry are presented and practiced which includes instrument and equipment identification and maintenance. Basic chairside assisting skills are presented and practiced. Dental terminology and materials are integrated throughout this course. Current OSHA and CDC guidelines for infection control and handling of hazardous materials are practiced. Lecture, two hours per week; lab, four hours per week. Prerequisite: Admission to the Dental Assisting Program.

### DLA 1204. Dental Radiography I. 3 hrs.

This course consists of the study and practice of exposing radiographs commonly required in dental practice, and includes the processing, mounting, and filing of intra-oral radiographs. Biological effects of radiation and safety measures are emphasized. Lecture, two hours per week; lab, two hours per week. Prerequisite: Admission to the Dental Assisting Program; successful completion with a "C" or better in DLA 1209.

### DLA 1205. Preventive Dentistry I. 1.5 hr.

This course includes discussion on the causes and treatments of dental caries and periodontal disease with emphasis on diet, nutrition, proper home care, community dentistry, and the dental assistant's role in prevention. Personal oral health is stressed and students will prepare and present programs to patients regarding personal oral hygiene. Lecture, one and a half hours per week. Prerequisite: Admission to the Dental Assisting Program; successful completion of DLA 1209.

### DLA 1206. Dental Office Management. 3 hrs.

This course emphasizes telephone techniques, appointment control, written communication skills, record management, and insurance form generation and tracking. Financial records, withholding taxes, collection of accounts, and payment of bills is studied. Inventory, ordering and receipt of supplies is also studied. Exercises that will give hands on experience with computerization of records will be assigned. Resume preparation and job interviewing skills are also presented. Lecture, three hours per week. Prerequisite: Admission to the Dental Assisting Program.

### DLA 1209. Infection Control Practices. 1.5 hr.

This course introduces the student to microbiology as it relates to infection control. Basic concepts, procedures, and current regulatory mandates related to infection control and the management of hazardous materials will be presented. Current OSHA and CDC guidelines for compliance will be presented. Lecture - three hours a week. Admittance to the Dental Assisting program is required.

### DLA 2200. Dental Science II. 2 hrs.

This course is designed to familiarize the student with pharmacology, oral pathology, anesthesia, and medical emergencies as they relate to the dental practice. Oral embryology and histology are also presented. Lecture, two hours per week. Prerequisite: Successful completion with a grade of "C" or better in DLA 1200.

### DLA 2201. Dental Laboratory Procedures II. 2 hrs.

This course stresses physical properties and applications of casting metals, dental porcelain, and dental plastics. Laboratory procedures necessary for Prosthodontics will be studied and practiced. Lecture, one hour per week; lab, three hours per week. Prerequisite: Successful completion with a grade of "C" or better in DLA 1200, DLA 1201, DLA 1209 within one year with a grade of "C" or better.

### DLA 2202. Clinical Practice. 5 hrs.

Assignments will be to two private dental offices to provide practical experience in dental assisting. Students will also be assigned to dental specialty offices for observation of the dental assistant's role in specialty practices. Weekly seminars provide the student with opportunities to discuss practical experiences and allow for preparation for the Dental Assisting National Board Exam. Seminar, two hours per week, clinical, 35 hours per week. Prerequisite: Completion with a grade of "C" or better of DLA 1200, DLA 1201, DLA 1203, DLA 1204, DLA 1205, DLA 1209, DLA 1206, DLA 2200, DLA 2201, DLA 2203, DLA 2204, and DLA 1202. Must be taken immediately following DLA 1202.

### DLA 2203. Chairside Assisting II. 3 hrs.

This course will require students to utilize basic chairside assisting skills and principles of four-handed, sit-down dentistry during dental procedures. Dental specialty procedures and instruments will be introduced and practiced. Dental terminology and materials are integrated throughout this course and current OSHA and CDC guidelines for infection control and handling of hazardous materials will be followed. Lecture, two hours per week; lab, two hours per week. Prerequisite: A grade of "C" or better in DLA 1200, 1203, 1204, and 1205.

### DLA 2204. Dental Radiography II. 2 hrs.

This course continues intensified practice in exposure, processing, and mounting of dental radiographs. Students will also be introduced to interpretation of radiographs and specialized intraoral and extraoral radiographic techniques. Lecture, one hour per week; lab, two hours per week. Prerequisite: Successful completion of DLA 1204 with a grade of "C" or better.

### DLA 2205. Expanded Functions. 1.5 hr.

This course is designed to acquaint the dental assisting student with expanded functions such as, coronal polishing, placing sealants, applying topical anesthetic, application of topical fluorides, and monitoring the patient during Nitrous Oxide. The student will have developed the knowledge necessary to participate in Community Dentistry. This course will prepare the student to take the CPFDA exam and become a Certified Expanded Functions Dental Assistant. Lecture: two hours per week; Lab: two hours per week. Prerequisite: DLA 1209, DLA 1200, DLA 1205, DLA 1201, DLA 1203, DLA 1204. Must be taken concurrently with DLA 1202, DLA 2203, DLA 2204.

### DLA 2300. Radiology for Dental Assistants. 1 hr.

This course presents radiation health and safety measures as well as infection control procedures as they relate to dental radiography. This course is intended for dental auxiliaries as an introduction or review of current radiographic techniques and troubleshooting of exposure and processing errors.



# Design

## Courses

### **DSN 1000. Design I. 3 hrs.**

A basic studio course for those interested in fine arts, graphic design, or art education. The student carries out a series of problems relating to the elements and principles of design. The course develops organizational abilities and technical skills. Lecture, one hour per week; laboratory, four hours per week.

### **DSN 1010. Design II. 3 hrs.**

A studio course; continuation of DSN 1000, using a variety of media, stressing the understanding of color theory and its application to two-dimensional design concerns. Lecture, one hour per week; laboratory, four hours per week.

# Drafting

## Courses

### **DFT 1200. Basic Drafting. 3 hrs.**

This course is designed to be used as an introduction to engineering graphics and will give the student a basic understanding of how to create and read engineering drawings. It covers the main topics of drafting theory including terms common to an engineering drawing, basic drawing and technical sketching, an in-depth study of multi view projection, sectional and auxiliary views, dimensioning (customary and metric system) and multi view projection in the production of a complete set of detail and assembly drawings. The course will also include an introduction to tolerancing and fasteners. Lecture, 2 hours; lab, 2 hours.

### **DFT 1203. Machine Blueprint Reading. 3 hrs.**

Machine blueprint reading is a course designed to progress logically from an introduction to blueprint reading through a study of the fundamental skills and concepts involved in reading, sketching, and interpreting drawings. Lecture, 3 hours.

### **DFT 1213. Construction Print Reading. 3 hrs.**

Construction Print Reading introduces students to print reading through a study of the fundamental skills and concepts involved in sketching, and interpreting drawings. Information is included on construction materials, procedures, specifications, and methods of estimating construction costs. Lecture, 2 hours; lab, 2 hours.

## Drawing (see also Art)

### Courses

**DRW 1000. Drawing I. 3 hrs.**

Basic studio course for those interested in fine arts, graphic design or art education. Using a variety of media and approaches, students develop ability in descriptive and interpretive drawing. Lecture, one hour per week; laboratory, four hours per week.

**DRW 1010. Drawing II. 3 hrs.**

Continuation of the basic Drawing I course. Charcoal, pencil and ink are the basic materials. Exploring mixed media and ink wash on different supports. Emphasis on the development of skills and expressive interpretation. Lecture, one hour per week; laboratory, four hours per week. Prerequisite: DRW 1000 or consent of instructor.

**DRW 2000. Life Drawing. 3 hrs.**

The study of the structure, anatomy, and expressive design of human form; drawing from model, using a variety of drawing media, such as charcoal, pencil, conte, and ink. Lecture, one hour per week; studio, four hours per week.

# Early Childhood Education

## Courses

**ECE 0001. Portfolio Develop in Progress. 0 hrs.**

**ECE 000A. Early Childhood Education Elective. 0 hrs.**

**ECE 000B. Early Childhood Education Elective. 0 hrs.**

**ECE 1000. Introduction To Early Childhood Education.. 3 hrs.**

This course is designed as an overview of early childhood care and education, including the basic values, structure, organization and programming in early childhood. Examination of the student's personal qualities in relationship to expectations of the field is addressed throughout the course. A field experience component of 15 contact hours of direct observation in a variety of early childhood settings is required. DCFS Background Check through Accurate Biometrics is required. Lecture, four hours per week; observation, fourteen hours.

**ECE 1005. Health, Safety and Nutrition. 3 hrs.**

This course is designed to enable the student to understand the personal health of the individual, including health, safety and nutrition issues with emphasis on meeting health needs for children and staff in group settings. A healthy lifestyle, preventive health and community health are examined. Lecture, three hours per week.

**ECE 1027. Child, Family, School & Community. 3 hrs.**

This course focuses on the diverse needs of the child in the context of family, school and community. An analysis of the contemporary American family will be discussed, with emphasis on the family interactions which largely dictate the child's behavior and way of relating to people. Included are the interplay of diverse cultures, life styles, language and communication and the role of the school and community as social agents with our changing society. Students will gain an understanding of their professional role in supporting evidence-based practices that strengthen respectful, collaborative family/child relationships through effective use of family and community resources.

**ECE 1201. Child Guidance/Child Study. 3 hrs.**

This course is designed to provide the student with an understanding of children's behavior. The student will identify underlying causes of problem behavior and ways to incorporate the environment to display appropriate behavior. Positive child guidance techniques will be emphasized. The student will have an opportunity to observe in a classroom setting to view behavior and behavior techniques. Lecture, three hours per week; laboratory, ten hours per semester. Course content includes birth to eight years old.

**ECE 1202. Foundations & Trends for Infant/Toddler/ Two Care & Education. 3 hrs.**

This course is designed to provide the student with an overview of physical, motor, social, emotional, cognitive and linguistic growth of the very young child birth to three. Students will become familiar with the foundations and historical impact of serving the very young child in quality programs. It will focus on current pedagogical practices as well as conditions and trends that impact the child's learning and development. Special emphasis will be placed on culture, family and environments. Students will demonstrate understanding of the Infant/Toddler Environment Rating Scale (ITERS) by performing an evaluation in an infant/toddler classroom setting. Lecture, three hours per week.

**ECE 1203. Creative Activities. 3 hrs.**

This course is designed to give the student an understanding of the natural creative potential that evolves through play within all areas of development. The student will have the opportunity to learn how to establish an aesthetically creative environment for young children. The student will learn methods of presenting activities to young children in ways to enhance and encourage creativity. The student will enhance their observational and documentation skills of the young child through activity presentations. Lecture, three hours per week; laboratory, two hours per week.

**ECE 1204. Developmentally Appropriate Practices For Infants, Toddlers, and Two's. 3 hrs.**

This course is designed to provide the student with an in-depth look at developmentally appropriate practices (DAP) including assessment and curriculum for infant, toddler and two (IT) programs. A study of observational techniques and developmentally appropriate assessments for the very young child will be emphasized, including informal and formal assessment techniques. Special attention will focus assessment and its use in guiding decision-making and instructional planning. The course will lead students through the process of planning and implementing the curriculum, focusing on developmentally appropriate practices that promote the very young child's total well-being including play, physical growth and development, mental health, emotional stability, brain development, and human relationships. Emphasis will be placed on the learning environment. Students will participate in a minimum of 10 hours of required field experience. Prerequisite: ECE 1202.

**ECE 1205. Mathematics for Young Children. 3 hrs.**

This course concentrates on providing early childhood educators with the knowledge, skills, techniques, and strategies necessary to incorporate mathematical concepts through developmentally appropriate practice into the curriculum of early childhood programs from birth through kindergarten. Students will identify what mathematics looks like during the early years and learn strategies to recognize and promote mathematical understanding in young children. Lecture: three hours per week. Prerequisite: ECE 1000.

**ECE 1209. Practicum I. 3 hrs.**

This course is designed to provide the student with both theory and practice in early childhood programs. The student will engage in supervised participation in the Early Childhood Center on campus under the direction of a qualified teacher. The student will plan and carry out various learning activities with the children using the project approach. Individual conferences, written reports and seminar sessions are also integral parts of this course. The student will document clinical experiences involving observation of and interaction with children and practitioners at work, using the work sampling system. Seminar, one hour per week; minimum six hours per week field experience. THE STUDENT MUST CONSULT WITH THE INSTRUCTOR PRIOR TO REGISTERING.

**ECE 2005. The Exceptional Learner. 3 hrs.**

This course is designed to introduce the student to many types of exceptionalities which may be encountered in the classroom and within society. It will address an overview of children/adults with exceptional cognitive, physical, social, and emotional characteristics; analysis of developmental and educational needs imposed by exceptionality; identification, intervention strategies, methods, and programs designed to meet their needs, including, but not limited to, children identified as learning disabled. It will present the historical, philosophical and legal foundations of special education including the study of applicable state and federal laws and requirements. Individuals with Disabilities Education Act (IDEA), Americans with Disabilities Act (ADA), Individualized Family Service Plan (IFSP), and Individualized Education Plan (IEP). It will provide current data on causes, characteristics, assessment, intervention, mainstreaming, inclusive programs and innovation. This course is inclusive of 15 hours of observation/field experience. A minimum grade of "C" is required for transferability of all teacher education majors. Lecture, three hours per week.

**ECE 2201. School Age. 3 hrs.**

This course is designed to provide the student with an overview of the various investigative studies encountering the need for before-and-after school programs. The student will gain knowledge on program management and content. Various issues dealing with individual needs as well as parental needs will be emphasized.

**ECE 2202. Curriculum Programming. 3 hrs.**

This course is designed to acquaint the student with the basic curriculum areas in the early childhood classroom. Emphasis will be placed on the math, science, language and social studies areas. The student will become actively involved in the creating of materials and activities for the early childhood classroom. Teaching techniques, classroom structure, daily planning and scheduling will be examined extensively. Course content includes birth to eight years old. Prerequisite: ECE 1000.

**ECE 2203. Supervision and Administration. 4 hrs.**

Students will integrate knowledge, theory and practical experience to develop skills in administration and supervision of early childhood education centers. Included will be topics such as interpersonal relationships, program planning, staff hiring-training-development-motivation, licensing standards, the role of administrator working with a board, establishing policies/procedures, community resources, facility planning, budgeting, purchasing equipment/materials, grouping and enrolling children, managing the food-health-safety programs, center evaluation and working with parents, volunteers and community. Lecture, four hours per week.

**ECE 2204. Project Approach/Documentation. 3 hrs.**

This course is designed to acquaint the student with current research and development on the best practices in early childhood education. This course will identify instructional innovations designed to make the classroom into a learning environment which is more responsive to the varying learning needs and interests of individual children. The Project Approaching/Documentation skills will be emphasized to provide evidence of the growth of the child within the learning experience, as well as a theoretical base for decision making. Lecture, three hours per week.

**ECE 2206. E-Portfolio. 1 hr.**

This course is designed to mentor and support students throughout their implementation of a personal/professional portfolio. The development of the portfolio will provide students with a framework for initiating, planning, and facilitating their professional development while building connections between their professional career goals and educational goals. Students will prepare a portfolio and use the materials as a means to show overall achievement and growth, document the scope and quality of educational experiences and show proof of skills and knowledge. The portfolio will serve as an assessment of student learning and will enhance the students' abilities to be able to document knowledge and skills according to the National Association for the Education of Young Children (NAEYC) Standards for Associate Degree programs. Additionally, it will require students to reflect on their performance and learning. Students pursuing the AAS degree must complete the online portfolio with 80% mastery to obtain the degree. \*EDC 1203, Educational Technology, is required of all students entering the ECE program; it is strongly recommended to be taken the first semester enrolled. All ECE courses in the AAS degree are encouraged to be taken prior to ECE 2206.

**ECE 2207. Observation and Assessment. 3 hrs.**

This course is designed to demonstrate to the student how to do authentic, alternative, classroom-based assessment on young children. It will further provide the student with the knowledge and skills to interpret and use the information gained to plan curriculum that is responsive to and supportive of children's learning. Students will have the opportunity to engage in assessment processes through means of classroom observations, providing each student with a stronger understanding of child development skills. Students will take responsibility for using a variety of age, developmentally, linguistically, and culturally appropriate formal and informal assessments to gather and share information on each child's skills, abilities, interests and needs, birth through age 8. Students will also demonstrate understanding of the Early Childhood Environment Rating Scale (ECERS) by performing an evaluation in a preschool classroom setting. Prerequisite: ECE 1000.

**ECE 2208. Language Development. 3 hrs.**

This course is designed to introduce the student to the four components of language arts: listening, speaking, reading and writing. The course incorporates a study of normal language development from birth through school-age. An understanding of how children may progress through language development stages at differing rates will be discussed. Children's literature is emphasized through development of skills in methods of presentation. The course will also develop an understanding of the effects of cultural and linguistic diversity on language development. Prerequisite: ECE 1000 or EDC 1000.

**ECE 2219. Practicum/Student Teaching. 5 hrs.**

This course is designed to provide the student with an opportunity to participate as a student teacher in two early childhood settings/programs. The student will apply previous learned theory and implement prior learning by utilizing the skills and techniques they have gained. The student will engage in every phase of the program--working 20 hours per week in on-the-job experience under the direction of qualified supervising teachers. Students will be placed in two diverse and varied settings serving young children and families. Students will complete lessons, units, and other required assignments throughout their practicum/student teacher placement. Individual conferences reports, projects and seminar sessions are also integral parts of this course. Prerequisite: ECE 1000, ECE 1201, ECE 1203, ECE 2202, ECE 2207, ECE 2208. A minimum cumulative grade point average (GPA) of 2.0 in all courses and minimum 2.0 in all ECE courses are required prior to enrolling in ECE 2219. Students must have all ECE courses passed with a C or better. Petitioned approval by ECE Program Coordinator is required for enrollment into the course.

# Economics

## Courses

**ECN 1202. Fundamentals of Economics. 3 hrs.**

A general survey of the operation of the economic system, with reference to the business firm, the determination of price and output, the level of national income, and conditions. Specifically designed for one semester in economics at the undergraduate level.

**ECN 2002. Principles of Microeconomics. 3 hrs.**

An introduction to market structures, behavior of the firm, consumer demand, the pricing and employment of resources and current economic problems. IAI: S3 902.

**ECN 2003. Principles of Macroeconomics. 3 hrs.**

An introduction to the major areas of modern economic theory and public policy; national income theory, and monetary theory and institutions, economic stability, taxation, and international trade and finance. IAI: S3901.

**ECN 2004. Business Statistics. 3 hrs.**

An introduction of the modern theory and methodology of statistics. Emphasis on frequency distributions, central tendency, probability, sample design, statistical inference, hypotheses testing, index numbers and their construction and use. Prerequisite: MTH 0907 or equivalent. IAI: M1 902; BUS 901.



# Education

## Courses

### EDC 000A. Education Elective. 0 hrs.

### EDC 1000. Introduction To Education. 3 hrs.

This course provides an introduction to teaching as a profession in the American education system. It offers a variety of perspectives on education including historical, philosophical, social, legal, and ethical issues in a diverse society. It also includes background knowledge in organizational structure of schools. A practicum component is required with includes 15 hours of classroom observation. This course requires direct contact with children. Because of that fact, students will be required to complete a criminal background check.

### EDC 1201. Special Topics in Instructional Tech. 0.5 hrs.

This course is designed to meet the needs of faculty in the area of instructional technologies. Each class will be individualized to particular set of needs and a credit value assigned for each section offered. Typical examples include Internet technologies, courseware development, multi-media, and smart classroom technologies.

### EDC 1202. Instructional Technology & Classroom Integration. 1 hr.

This course is designed to meet the needs of faculty in the area of instructional technologies. The class will consist of eight two-hour modules (workshops) to be selected by the faculty member from the semester offerings. Typical examples include Internet technologies, courseware development, multi-media, and smart classroom technologies. This class could be taken as either letter grade or as a pass/fail course. The course may be repeated up to three times.

### EDC 1203. Educational Technology. 3 hrs.

Students/educators will develop skills and knowledge in learning technologies that allow the student/educator to appropriately and responsibly use tools, resources, processes, and systems to retrieve, assess, and evaluate information from various media. Students/educators will use that knowledge, along with the necessary skills and information to create engaged learning environments.

### EDC 1205. Introduction Community College Teaching. 2 hrs.

This course is designed for adjunct faculty and provides a foundation for instruction, and professional development in a learner-centered community college. Participants will explore the design and development of effective instructional methods, the assessment of student learning, classroom management techniques and the policies and procedures of IVCC. This course blends classroom meetings with online and independent coursework.

### EDC 2000. Educational Psychology. 3 hrs.

This comprehensive course concerns psychological principles underlying educational practice. Theories concerning cognitive and psychological development, human learning/development, and motivation are studied with emphasis on application for instruction, including assessment. Emphasis will also be placed on learner-centered instruction and diversity. Application includes preschool through high school, including students with special needs. Prerequisite: PSY 1000 or consent of instructor.

### EDC 2003. Clinical Experiences in Education. 1 hr.

This course is a pre-student teaching practicum (K-12). It allows for students who are considering the field of education an opportunity to observe and interact with children and state certified teachers in a classroom setting. Required participation includes a minimum of 30 clock hours in the classroom. A weekly 50-minute seminar is provided for students to focus on classroom issues including classroom management and effective teaching and learning methods/styles. Students are supervised by the college instructor and a cooperating teacher. Discussions of classroom situations are explored as they gain experience through the practicum. This course requires direct contact with children. Because of that fact, students will be required to complete a criminal background check. Prerequisite: Suggested concurrent enrollment in EDC 2000.

### EDC 2006. Multicultural Educ:Agent for Change. 3 hrs.

This course is designed to provide students the opportunity to explore the theories and processes needed to examine social forces influencing American education including social and global perspectives. The course content will assist students to understand and become aware of working with and teaching diverse groups within the educational setting and how schooling is shaped by the social context in which it occurs. The complex issues facing educational environments will be examined which include issues of genetic heritage, class, gender, religion, ethnicity, and exceptionality. In addition, global standards will be reviewed. Multicultural best practices will be explored as students develop their philosophy of education.

# Electricity

## Courses

### ELE 000A. Electricity Elective. 0 hrs.

### ELE 1200. Basic Industrial Electricity I. 4 hrs.

The first in a series of two basic electricity classes for industrial electricians. It includes a study of electricity from its basic nature through resistive circuits with AC and DC voltages applied. Practical applications are emphasized. Necessary mathematics is integrated. This course introduces students to the safety required in industry today. The course will focus on NEC regulations, local codes where they apply and 70 E regulations. Lecture, 2 hours; lab, 4 hours.

### ELE 1201. Basic Industrial Electricity II. 4 hrs.

A continuation of Basic Industrial Electricity I with the introduction of capacitive and inductive circuit elements and how they react to sinusoidal and unit step voltage. Practical application to industrial type circuits will be emphasized. Necessary mathematics is integrated. Lecture, 2 hours; lab, 4 hours. Prerequisite: ELE 1200 or consent of instructor.

### ELE 1202. Motors and Controls I. 2.5 hrs.

Principles of operation and control of DC and single phase AC motors and generators are studied. Additional topics include: J.I.C. symbols, power and control wiring in ladder diagram format, and wiring techniques for forward-reverse and speedcontrol operations. Troubleshooting techniques will be emphasized throughout this course. Lecture, 2 hours; lab, 1 hour. Prerequisite: ELE 1200 or consent of instructor.

### ELE 1203. Motors and Controls II. 2.5 hrs.

Principles of operation and control of three-phase motors and generators are studied. Additional topics include: power control wiring, forward-reverse and speed-control operations, AC variable frequency drives and dynamic and regenerative braking. Troubleshooting techniques will be emphasized throughout this course. Lecture 2 hours; lab, 2 hour. Prerequisite: ELE 1202 or consent of instructor.

### ELE 1204. Programmable Logic Controllers I. 3 hrs.

This course introduces students to Programmable Logic Controllers (PLCs). Course content includes: PLC logic concepts, basic PLC programming, and PLC hardware components and their installation, application, and maintenance. Troubleshooting techniques will be emphasized throughout this course. Lecture, 2 hours; lab, 2 hours. Prerequisite: ELE 1200 or ELE 1204.

### ELE 1205. Programmable Logic Controllers II. 3 hrs.

This course is a continuation of ELE 1204, emphasizing PLC systems, advanced programming, networking and troubleshooting. Lecture, 2 hours; lab, 2 hours. Prerequisite: ELE 1204.

### ELE 1206. Electrical Wiring. 2 hrs.

This course will cover the skills necessary to perform most residential and light industrial wiring. These skills include installing and wiring breaker boxes, motor controls, outlets and switches, and pulling wire through conduit after bending and installation. The installation of telephone and computer network wiring will also be discussed. Lecture, 1 hour; lab, 2 hours. Prerequisite: ELE 1200 or ELE 1204.

### ELE 1210. Basic Electricity for Operators. 1 hr.

This course covers a basic non-mathematical approach to understanding the principles of electricity. Topics include: static and current electricity, AC and DC circuits, methods of measuring current, voltage and resistance, circuit components, circuit breakers, and fuses. Lecture, 1 hour.

### ELE 1220. Electrical Safety. 1 hr.

This course will introduce students to the safety required in industry today. The course will focus on NEC Regulations, local codes where they apply and 70 E regulations. Lecture, 1 hour.

### ELE 1230. NEC Code. 2 hrs.

This course covers the interpretation of the current National Electrical Code. With a thorough discussion and practical examples of how the code impacts the electrical field, this course is a must to stay current in the field. Repeatable 3 times. Prerequisite: ELE 1220 Electrical Safety, or Instructor consent. Lecture, 2 hours.

### ELE 2204. Power Generation & Distribution. 3 hrs.

The Power Generation Distribution course looks at the generation, distribution and transmission of electricity as it relates to wind farm production and maintenance. This is a two-hour lecture and two-hour lab course with a large hands-on component. Lecture, 2 hours; lab, 2 hours. Prerequisite: ELE 1202.

### ELE 2205. Electrician Internship. 2 hrs.

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the directed supervision of the journeyworker. [This course offered through IBEW local unions only.]

### ELE 2206. Electrician Internship. 2 hrs.

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the directed supervision of the journeyworker. [This course offered through IBEW local unions only.]

### ELE 2207. Electrician Internship. 2 hrs.

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of the journeyworker. [This course offered through IBEW local unions only.]

### ELE 2208. Electrician Internship. 2 hrs.

The Electrician Internship course has been developed and established as the on the job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journeyworker. [This course offered through IBEW local unions only.]

### ELE 2209. Electrician Internship. 2 hrs.

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of the journeyworker. [This course offered through IBEW local unions only.]

# Electronics

## Courses

**ELT 000A. Electronics Elective. 0 hrs.**

**ELT 000B. Electronics Elective. 0 hrs.**

**ELT 000C. Electronics Elective. 0 hrs.**

**ELT 1000. Introduction To Electronics. 3 hrs.**

This course is an introduction to electricity, magnetism, and basic electrical and electronic circuits for students with a BACKGROUND IN BASIC MATHEMATICS. Topics include: single DC and AC circuits, resistance, capacitance, inductance, transistors, diodes, Ohm's Law, Kirchoff's Laws, etc. Labs will reinforce the lecture and promote the proper use of test equipment. Lecture; 2 hours; lab, 2 hours.

**ELT 1200. Beginning Industrial Electronics. 2.5 hrs.**

Basic theory and construction of semiconductors and operation of transistor circuits. Converting alternating current to direct current. Introduction to integrated circuit construction and operation. Lecture, 2 hours; lab, 1 hour. Prerequisite: ELE 1201 or ELT 1204.

**ELT 1202. Solid State Electronics: Characteristics And Analysis.. 5 hrs.**

An introduction to semiconductor theory and transistor characteristics. The diode as applied to rectification, logic, and clamping is investigated as well as transistor biasing, load line analysis and amplification. Class A, B, and C amplifiers, SCRs, TRIACs, photo-devices, and high-power devices are covered. Lecture, 3 hours; lab, 4 hours. Prerequisite: ELT 1204 or ELE 1200 and ELE 1201.

**ELT 1203. Industrial Instrumentation. 2.5 hrs.**

This course is designed to cover the basic concepts of: temperature; pressure; flow and level and how each is measured; the operation and applications of transducers, meters, and control circuits; along with practical installation and troubleshooting techniques for instrumentation systems. Lecture, 2 hours; lab, 1 hour. Prerequisite: ELT 1200 or ELT 1202.

**ELT 1204. Fundamentals of Electronics: Dc/Ac Theory and Circuit Analysis. 5 hrs.**

This course introduces an analysis of DC circuits using Kirchoff's laws, ohms and network theorems. This course is also an introduction to magnetism, inductance, capacitance, principles, and analysis of AC circuits, resonant circuits, and filters. Lecture, 3 hours; lab, 4 hours.

**ELT 2200. Linear Circuits & Analysis. 3.5 hrs.**

Theoretical and experimental analysis of discrete electronic component design; operation and construction of amplifiers and regulators with linear integrated circuits; methods of interfacing integrated circuits. Lecture, 2.5 hours; lab, 2 hours. Prerequisite: ELT 1200 or ELT 1202.

**ELT 2204. Digital/Micro: Principles & Applications. 5 hrs.**

Introduction to basic logic gates and design procedures. Additional topics include adders, encoders, multiplexors, flip-flops, registers, counters, logic families and RAM and ROM; as well as a hands-on introduction to microprocessor principles on a discrete component level. Lecture, 3 hours; lab, 4 hours. Prerequisite: ELT 1204 or ELE 1200.

**ELT 2205. Prototype Design and Fabrication. 2 hrs.**

This course is an introduction to print reading, design, layout, packaging and fabrication of electronic equipment. An individual project is required. Lecture, 1 hour; lab, 2 hours.

**ELT 2207. Instruments & Measurements. 1 hr.**

A study of circuits used in electronic measurements; applications and theory of the circuits used in test instruments; capabilities and limitations of test instruments; and loading effects of the instruments. Lecture, .5 hour; lab, 1 hour.

**ELT 2209. Electronics Tech Internship. 3 hrs.**

Individual students will be responsible for contacting a local industry to secure an internship position related to electronics repair, manufacturing, or design. The work that the student will perform would be that performed by an entry-level electronics technician. Students must complete 225 hours of on-the-job work experience. Students must contact the internship supervisor before they can register for this course. Prerequisite: Consent of instructor.

**ELT 2210. HMI, SCADA & Fiber Optics. 3 hrs.**

This course is a continuation of the PLC automation classes utilizing software and hardware to build and use a Human Machine Interface (HMI) and the introduction of the System Control and Data Acquisition (SCADA) system. Lecture, 2 hours; lab, 2 hours. Prerequisite: ELE 1204.

**ELT 2254. Electrical Capstone. 3 hrs.**

This course will give the student the opportunity to apply the knowledge and training obtained in the preceding courses culminating in two capstone projects. One project will be an industrial group project. One project will be an automation project utilizing a micro-controller or PIC. Assignments will consist of analysis, synthesis, design, flow-charting, programming, and construction of an automation project. I/O interfaces and optical isolators in connection with any programmable interface controller will be utilized. Prerequisite: Consent of ELE/ELT Program Coordinator. Lecture, 2 hours; lab, 2 hours.

# Emergency Medical Services

## Courses

### EMS 1201. International Trauma Life Support Provider Course (ITLS). 1 hr.

ITLS is accepted internationally as the standard training course for prehospital trauma care. ITLS courses combine classroom learning and hands-on skill stations. Scenario assessment stations enable you to put your learning to work in simulated trauma situations. ITLS courses are designed, managed and delivered by course directors, coordinators and instructors experienced in EMS, prehospital care and the ITLS approach. This course can be used as a state-of-the-art continuing education course and as an essential curriculum in many paramedic, EMT, and first responder training programs. Prerequisite: Consent of instructor with current, Unrestricted State Approved EMT-Basic, EMT-Intermediate, or EMT-Paramedic License.

### EMS 1202. Basic Cardiac Life Support. 0.5 hrs.

The American Heart Association designed the BLS for healthcare providers Course to prepare a wide variety of healthcare professionals to recognize several life-threatening emergencies and to provide CPR, use an AED, and relieve choking in a safe, timely, and effective manner. The course includes adult, child, and infant rescue skills in both the pre-hospital, and in-hospital settings.

### EMS 1203. Advanced Cardiac Life Support. 1 hr.

The Advanced Cardiac Life Support (ACLS) Provider Course is designed for healthcare providers who either direct or participate in the resuscitation of a patient, whether in or out of a hospital. In this course students will enhance their skills in the treatment of arrest and peri-arrest patients through active participation in a series of simulated cardiopulmonary cases. The goal of the ACLS provider Course is to improve the quality of care provided to the adult victim of cardiac arrest or other cardiopulmonary emergencies. Prerequisites: Consent of Instructor and Current EMT-Intermediate, EMT-Paramedic, Registered Nurse (RN), Registered Respiratory Therapist (RRT), Physician (MD, DO), or Physician's Assistant (PA) license. Other allied health professions with approval of EMS Program Coordinator, and a basic understanding of ECG recognition is required.

### EMS 1204. Pediatric Advanced Life Support. 1 hr.

The Pediatric Advanced Life Support (PALS) Provider Course is designed for healthcare providers who initiate and direct advanced life support through the stabilization or transport phases of a pediatric emergency, either in or out of hospital. This course will enhance the student's skills in the evaluation and management of an infant or child with respiratory compromise, circulatory compromise, or cardiac arrest. The goal of the PALS Provider Course is to improve the quality of care provided to seriously ill or injured children, resulting in improved outcome. Prerequisites: Consent of instructor; and Current EMT-Intermediate, EMT-Paramedic, Registered Nurse (RN), Registered Respiratory Therapist (RRT), Physician (MD, DO), or Physician's Assistant (PA) license. Other allied health professionals with approval of EMS Program Coordinator; and A basic understanding of ECG recognition is required.

### EMS 1205. Emergency Communications RN. 1.5 hr.

The emergency communications registered nurse (ECRN) is a registered professional nurse licensed under the Illinois Nurse Practice Act who is approved by an EMS System Medical Director to monitor telecommunications from and give voice orders to EMS System personnel, under the authority of the EMS Medical Director, and in accordance with System protocols. Prerequisites: Consent of Instructor (1) Current IL State Registered Nurse (RN) License; (2) Current CPR Healthcare Provider or Instructor Card; (3) Current ACLS Provider or Instructor Card; (4) Current PALS/PEPP Provider or Instructor Card; (5) Current ITLS Advanced Provider or Instructor Card.

### EMS 1206. Prehospital RN & Emergency Communications RN (ECRN). 2 hrs.

The emergency communications registered nurse (ECRN) is a registered professional nurse licensed under the Illinois Nurse Practice Act who is approved by an EMS System Medical Director to monitor telecommunications from and give voice orders to EMS System personnel, under the authority of the EMS Medical Director, and in accordance with System protocols. The Pre-hospital Registered Nurse is also a registered professional nurse licensed under the Illinois Nurse Practice Act who is approved by an EMS Medical Director to practice within an EMS System as emergency medical services personnel for pre-hospital and inter-hospital emergency and non-emergency care/medical transports. Prerequisites: Consent of instructor (1) Current IL State Registered Nurse (RN) License; (2) Current CPR Healthcare Provider or Instructor Card; (3) Current ACLS Provider or Instructor Card; (4) Current PALS/PEPP Provider or Instructor Card; (5) Current ITLS Advanced Provider or Instructor Card.

### EMS 2200. Emergency Medical Responder. 4 hrs.

This course is designed to provide the knowledge, skills and attitudes required to provide immediate emergency medical care. Students will learn medical techniques needed to treat life-threatening conditions until the arrival of other emergency medical services. It is designed for police, firemen, industry, public service individuals and others who may be present at the scene of any medical condition. Students completing this course will meet the requirements for formal recognition by the State of Illinois as a First Responder.

### EMS 2201. Emergency Medical Technician - Basic. 8 hrs.

This course is designed to prepare students for the overall roles and responsibilities of the Emergency Medical Technician. Training in emergency medical care and operational aspects of the EMT's role is accomplished by developing skills short of those rendered by physicians, or by paramedical personnel under the direct supervision of a physician. The course also includes training in the use of all equipment required to accomplish this role. Enrollment priority is given to people working for an ambulance service or those who will work for an ambulance service upon course completion. A student must be 18 years of age and complete the class with a final grade of 80% or above to be permitted to take the State EMT certification exam or National Registry Certification Exam.

### EMS 2204. Emergency Medical Technician - Intermediate I. 6 hrs.

This is one of three courses that is designed to give individuals who are already competent at the EMT basic level, training in advanced life support skills such as patient assessment, endotracheal intubation, intravenous therapy, pharmacology, and medication administration. Students will gain indepth knowledge of anatomy and physiology, and fluids and electrolytes. Students will have "hands on" training in a laboratory setting. Clinical experiences will correlate with course content. Prerequisite: EMT 2201 and current State of Illinois licensure at EMT-Basic level.

### EMS 2205. EMT - Intermediate II. 3 hrs.

This is the second of three courses that is designed to prepare individuals to function as EMT-Intermediate (EMT-I) with an intermediate or advanced life support unit. Emphasis is placed on the assessment and treatment of diabetic and neurological emergencies, cardiac emergencies, cardiac rhythm interpretation, drug pharmacology, respiratory emergencies, obstetrical and gynecological emergencies, neonatal and pediatric emergencies, geriatric emergencies, and the special needs patient. Selected clinical experiences will be provided to correlate with the course content. Prerequisite: Proof of current Illinois Licensure - EMT B; successful completion of EMT 2204 with 80% or better; proof of liability and hospitalization insurance; 18 years of age or older; proof of high school graduation or GED (transcripts on file at IVCC Records Office); current CPR certification at Health Care Provider level; either American Heart Association or American Red Cross; copy of completion of English and Math Placement test on file at IVCC; and current physical examination (no older than one year) and proof of required immunizations prior to starting clinical experience and updated as necessary.

### EMS 2206. EMT - Intermediate Practicum. 3 hrs.

This course provides the EMT-Intermediate student with educational experience on an advanced life support unit. These experiences will help reinforce and master the skills and knowledge of concepts covered in EMS 2204 and EMS 2205. Prerequisite: Successful completion of EMT 2204; concurrent enrollment in EMT 2205; current EMT-B license; current physical, immunizations and CPR card; proof of liability and hospitalization insurance.



**EMS 2207. EMT-I to EMT-P Transition. 9 hrs.**

This course is designed to expand, enhance, and develop the knowledge and skills of new and experienced EMT-Intermediate in the advanced emergency care of ill or injured persons. This course follows the National Department of Transportation Guidelines and is approved by the Illinois Department of Public Health. Lecture, demonstrations, skills evaluation, and both hospital and field internship are the principle methods of instruction. Specific training areas include administration of different I.V. fluids, advanced airway management, cardiac monitoring including defibrillation, cardioversion, cardiac pacing, and the administration of different emergency medications. The curriculum for the EMT-Intermediate to EMT-Paramedic educational bridge program shall be the 1998 United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA) EMT-Paramedic course: National Standard Curriculum. Prerequisite: Consent of instructor with: (1) Completion of an I-99 based EMT-Intermediate Course Curriculum and (2) Unrestricted State Approved EMT-Intermediate License or Completion of an I-99 based EMT-Intermediate Course with an average of 80% or higher, and have not attempted licensure and (3) Completion of Biology 1200, Human Structure Function, or its equivalent with the past seven years with a grade of "C" or better.

**EMS 2210. Paramedic I-Intro. 4 hrs.**

This course is designed to introduce and develop the knowledge and skills for EMT-Basic's in the area of advanced emergency care of ill or injured persons. This course follows the National Department of Transportation Guidelines and is approved by the Illinois Department of Public Health. Lecture, demonstrations, skills evaluation, and hospital internships are the principal methods of instruction. Specific training areas include, but not limited to: introduction to advanced EMS, medical/legal issues, EMS system design, workforce safety and wellness, EMS system communications, therapeutic communication with patients, lifespan development, airway management, and patient assessment. The curriculum for the EMT-Paramedic educational program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites -- Consent of Instructor with: (1) Completion of an EMT-Basic or I-99 based EMT-Intermediate course curriculum; (2) Unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Current AHA/ARC BLS Healthcare Provider card; (4) High school graduate or valid GED; (5) Concurrent enrollment in EMS 2211 and EMS 2212.

**EMS 2211. Paramedic II Pharmacology. 4 hrs.**

This course is designed to introduce and develop the knowledge and skills for EMT-Basic's in the area of advanced emergency care of ill or injured persons. This course follows the National Department of Transportation Guidelines and is approved by the Illinois Department of Public Health. Lecture, demonstrations, skill evaluation and hospital internships are the principal methods of instruction. Specific training areas include, but not limited to: principles of pharmacology, mathematical calculations for medication administration/IV fluid therapy, medication administration techniques, IV and IO insertion, and introduction to emergency medications and IV solutions. The curriculum for the EMT-Paramedic educational program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites-- Consent of instructor with (1) Completion of an EMT-Basic or I-99 based EMT-Intermediate course curriculum; (2) Unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Completion of concurrent enrollment in Biology 1200 or its equivalent within the past 7 years with a grade of "C" or better; (4) Current AHA/ARC BLS Healthcare Provider Card; (5) High school graduate or valid GED; (6) Concurrent enrollment in EMS 2210 and EMS 2212.

**EMS 2212. Paramedic III Practicum I. 2 hrs.**

This course is designed to introduce and develop the knowledge and skills for EMT-Basic's in the area of advanced emergency care of ill or injured persons. This section places students in the hospital setting. Students will be exposed to a variety of patients, focusing their psychomotor skills on airway management, basic patient assessment techniques and pharmacologic interventions. The curriculum for the EMT-Paramedic educational program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites -- Consent of Instructor with: (1) Completion of an EMT-Basic or I-99 based EMT-Intermediate course curriculum; (2) Unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Completion of or concurrent enrollment in Biology 1200 or its equivalent within the past 7 years with a grade of "C" or better; (4) Current AHA/ARC BLS Healthcare Provider card; (5) High school graduate or valid GED; (6) Concurrent enrollment in EMS 2210 and EMS 2211.

**EMS 2213. Paramedic IV - Medical Emergency I. 3 hrs.**

This course is designed to introduce and develop the knowledge and skills for proper assessment and treatment of patients complaining of medical disorders. Lecture, demonstrations, and skills evaluation are the principal methods of instruction. Specific training areas include, but not limited to: medical emergency overview; cardiovascular disorders; disorders of the head, eyes, ears, nose, and throat; respiratory emergencies; nervous system disorders; endocrine emergencies; immune system disorders; and gastrointestinal disorders. This course follows the National Department of Transportation Guidelines and is approved by the Illinois Department of Public Health. The curriculum for the EMT-Paramedic educational program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice and set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites -- Consent of Instructor with: (1) Completion of an EMT-Basic or I-99 based EMT-Intermediate course curriculum; (2) unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Completion of Biology 1200 or its equivalent within the past 7 years with a grade of "C" or better; (4) Current AHA/ARC BLS Healthcare Provider card; (5) High school graduate or valid GED; (6) Concurrent enrollment in EMS 2214, EMS 2215, and EMS 2216.

**EMS 2214. Paramedic V - Medical Emergency II. 3 hrs.**

This course is designed to introduce and develop the knowledge and skills for proper assessment and treatment of patients complaining of medical disorders. Lecture, demonstrations, and skills evaluation are the principal methods of instruction. Specific training areas include, but not limited to: Renal/genitourinary/gynecological disorders; non-traumatic musculoskeletal disorders skin disorders; toxicology; infectious and communicable diseases; behavioral and substance abuse disorders; and hematologic disorders. This course follows the National Department of Transportation Guidelines and is approved by the Illinois Department of Public Health. The curriculum for the EMT-Paramedic educational program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites -- Consent of Instructor with: (1) Completion of an EMT-Basic or I-99 based EMT-Intermediate course curriculum; (2) Unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Completion of Biology 1200 or its equivalent within the past 7 years with a grade of "C" or better; (4) Current AHA/ARC BLS Healthcare Provider card; (5) High school graduate or valid GED; (6) Concurrent enrollment in EMS 2213, EMS 2215, and EMS 2216.

**EMS 2215. Paramedic VI - Paramedic Practicum II. 3 hrs.**

This course is designed to build on the knowledge and skills the paramedic students developed during their first practicum. In this section, students return to the hospital setting, and are also introduced to an ALS ambulance service for field clinical work. Students will be exposed to a variety of patients, focusing their psychomotor skills on airway management, and expanding their pharmacological interventions and patient assessment skills for all medical complaints. The curriculum for the EMT-Paramedic educational program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites -- Consent of Instructor with: (1) Completion of an EMT-Basic or I-99 based EMT-Intermediate course curriculum; (2) Unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Completion of Biology 1200 or its equivalent within the past 7 years with a grade of "C" or better; (4) Current AHA/ARC BLS Healthcare Provider card; (5) High school graduate or valid GED; (6) Concurrent enrollment in EMS 2213, EMS 2214, and EMS 2216.

**EMS 2216. Paramedic VII - Shock/Trauma. 3 hrs.**

This course is designed to introduce and develop the knowledge and skills for proper assessment and treatment of a trauma victim. Students will learn about shock states, and resuscitation techniques. Lecture, demonstrations, and skills evaluation are the principal methods of instruction. Specific training areas include, but not limited to: trauma system overview; soft tissue trauma and burns; bleeding and bleeding control; trauma to the head, face, and neck; nervous system and spinal trauma; thoracic trauma; abdominal trauma; musculoskeletal trauma; and environmental emergencies. This course follows the National Department of Transportation Guidelines and is approved by the Illinois Department of Public Health. The curriculum for the EMT-Paramedic education program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites -- Consent of Instructor with: (1) Completion of an EMT-Basic or I-99 based EMT-Intermediate course curriculum; (2) Unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Completion of Biology 1200 or its equivalent within the past 7 years with a grade of "C" or better; (4) Current AHA/ARC BLS Healthcare Provider card; (5) High school graduate or valid GED; (6) Concurrent enrollment in EMS 2213, EMS 2214, EMS 2215.

**EMS 2217. Paramedic VIII- Special Populations & EMS Operations. 3 hrs.**

This course is designed to introduce and develop the knowledge and skills for proper assessment and treatment of a trauma victim. Students will learn about shock states, and resuscitation techniques. Lecture, demonstrations, and skills evaluation are the principle methods of instruction. Specific training areas include, but not limited to: trauma system overview; soft tissue trauma and burns; bleeding and bleeding control; trauma to the head, face, and neck; nervous system and spinal trauma; thoracic trauma; abdominal trauma; musculoskeletal trauma; and environmental emergencies. This course follows the National Department of Transportation Guidelines and is approved by the Illinois Department of Public Health. The curriculum for the EMT-Paramedic educational program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites -- Consent of Instructor with: (1) Completion of an EMT-Basic or EMT-Intermediate course curriculum; (2) Unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Completion of Biology 1200 or its equivalent within the past 7 years with a grade of "C" or better; (4) Current AHA/ARC BLS Healthcare Provider card; (5) High school graduate or valid GED; (6) Successful completion with a "C" or better in EMS 2213, EMS 2214, EMS 2215 and EMS 2216; (7) Concurrent enrollment in EMS 2218.

**EMS 2218. Paramedic IX - Practicum III. 5 hrs.**

This course is designed to build on the knowledge and skills the paramedic students developed during their first two practicums. In this section, students return to the hospital and field setting. Students will build on their psychomotor skills regarding airway management, pharmacological interventions and patient assessment skills for all medical complaints. Students will also be introduced to current concepts of trauma care, as well as, obstetrical, neonatal/pediatric, geriatric, and chronically ill patients. In the field setting, students should be honing their skills as a team leader, directing care and treatment of the ill/ injured. Students will finish their minimum required skills and ambulance call volume. The curriculum for the EMT-Paramedic educational program shall adhere to the 2009 National EMS Education Standards and EMS Scope of Practice set forth by the United States Department of Transportation (US DOT) National Highway Traffic Safety Administration (NHTSA). Prerequisites -- Consent of Instructor with: (1) Completion of an EMT-Basic or I-99 based EMT-Intermediate course curriculum; (2) Unrestricted State Approved EMT-Basic or EMT-Intermediate License; (3) Completion of Biology 1200 or its equivalent within the past 7 years with a grade of "C" or better; (4) Current AHA/ARC BLS Healthcare Provider card; (5) High school graduate or valid GED; (6) Successful completion with a "C" or better in EMS 2213, EMS 2214, EMS 2215, and EMS 2216; (7) Concurrent enrollment in EMS 2217.

**EMS 2400. Pediatric Ed for Prehospital Professions. 1 hr.**

This course is a teaching tool that enhances and expands the knowledge and skills of professionals who care for a unique group of EMS patient, the ill and injured children, during the prehospital phase and in disaster preparedness. This course is intended for the following: RN, LPN, EMT B, EMT I, Paramedic or Physician. Prerequisite: Consent of Dean.



# Engineering

## Courses

### **EGR 1000. Engineering Graphics I. 4 hrs.**

A course in orthographic projection, auxiliary views, basic principles of descriptive geometry involving point, line, and plane relationships, charts and diagrams, and computer applications to graphics. Lecture, 2 hours; lab, 4 hours. IAI: EGR 941.

# English

## Courses

**ENG 0001. Accuplacer Level 1 English. 0 hrs.**

**ENG 0002. Accuplacer Level 2 English. 0 hrs.**

**ENG 0003. ACCU Adult Ed Referral. 0 hrs.**

**ENG 0004. ACT Level 1 English. 0 hrs.**

**ENG 000A. English Elective. 0 hrs.**

**ENG 000B. English Elective. 0 hrs.**

**ENG 0800. Basic Composition I. 3 hrs.**

Basic Composition I is a preparation course before enrolling in ENG 0900, Basic Composition II. The course work focuses on sentence structure, grammar, mechanics, and paragraph writing. Basic Composition I earns 3 credit hours of IVCC credit but does not earn transfer credit hours. Students must earn 80% of the total points available to pass the class. Prerequisite: Placement by Accuplacer.

**ENG 0900. Basic Composition II. 3 hrs.**

Basic Composition II is a preparation course before enrolling in the transfer course, ENG 1001, or the communications course, ENG 1205. The course work focuses on writing paragraphs and essays. The course includes a review of functional grammar, usage, and punctuation. Basic Composition II earns three credit hours of Illinois Valley Community College credit, but it does not earn transfer credit hours. Prerequisite: Successful completion of ENG 0800 or ENG 0801, 0802, and 0803 or appropriate score on the Accuplacer Sentence Skills test and the Write Placer test.

**ENG 0903. College Reading and Writing. 5 hrs.**

College Reading and Writing introduces the student to the language of academic discourse. The course work practices critical thinking, reading and writing for a variety of college purposes, including reading college textbooks, increasing vocabulary, and writing clear, purposeful paragraphs and essays with college-level usage and diction. College Reading and Writing earns five credit hours of IVCC credit, but does not earn transfer credit hours, nor is it figured into the GPA. This course meets the classroom (lecture) portion of the Basic Skills Requirement. The course is evaluated on a pass or fail grading system.

**ENG 0906. Writing About Literature. 1 hr.**

This individualized course assists the student in expanding his/her essay writing skills by reading, analyzing, evaluating and interpreting literature. Instruction is presented via a number of learning modalities: computer programs, video tapes and books. This open-entry, open-exit, course does not receive college credit. Students taking a lab course must go to Room B-201 the first week to schedule class times.

**ENG 0907. Resume Writing. 1 hr.**

This individualized class is designed for the student who is preparing to enter the work force. Emphasis will be placed on developing a resume, preparing a letter of application and in acquiring interviewing skills. This open-entry, open-exit course earns a pass /fail grade which is not computed in the graduation GPA.

**ENG 0909. English Lab. 1 hr.**

This individualized course provides opportunities for students to strengthen their writing skills in one or more areas in which they have a demonstrated weakness. It is required for any student who places into ENG 1001 but whose placement writing sample demonstrates one or more areas in which the student needs to improve to succeed in ENG 1001.\* Course topics may include the following: pre-writing strategies, essay structure and development, paragraph structure and development, syntax, grammar, mechanics, and revision strategies. Instruction is presented via a number of learning modalities that may include the following: computer programs, videos, books, computer-aided instruction, and/or one-on-one instruction. This course does not receive college credit and is graded on a pass/fail basis. \*Some students successfully completing ENG 0900 may also be required to take this course. Students taking a lab course must go to Room B-201 the first week to schedule class times.

**ENG 0920. Composition Development. 2 hrs.**

This required lab is paired with English Composition (ENG 1001) for students who meet the ENG 0920 prerequisites. The course provides supplemental instruction in college-level writing skills. Class activities support and complement the 1001 coursework as students gain confidence in themselves as writers, learn to navigate the college environment, and strengthen college-level writing skills. No college credit is given for this class. Prerequisite: Placement is according to IVCC's placement instrument, Accuplacer: Sentence Skills score of 59-89 or a WritePlacer score of 4; a minimum reading score of 68 or a minimum ACT reading subscore of 21 or successful completion of RED 0900.

**ENG 1001. English Composition I. 3 hrs.**

English Composition I allows the student to study and apply rhetorical principles of writing in developing effective sentences, paragraphs, and essays, with particular emphasis on analyzing and writing expository prose. Students' essays will be based upon their readings of a variety of texts on various topics. The course includes the use of interactive word processing computer software. Prerequisite: Appropriate score on English placement exam, or an ACT subscore of 21, or successful completion of ENG 0900 or the individualized lab modules of ENG 0910, ENG 0911, and ENG 0912. In addition, Accuplacer reading exam score of 68 or higher, or ACT reading subscore of 23 or higher, or successful completion of RED 0900 or the individualized lab modules of RED 0910, RED 0911, and RED 0912. IAI: C1 900.

**ENG 1002. English Composition II. 3 hrs.**

English Composition II continues the study and application of rhetorical principles of expository writing in developing effective sentences, paragraphs, and essays, with particular emphasis on analyzing and writing expository prose. Students' essays will be based upon their readings of poetry, drama, and fiction. The library research writing will be developed from the literature. The course includes the use of various computer applications, including word-processing and the Internet. Prerequisite: ENG 1001. IAI: C1 901R.

**ENG 1003. Creative Writing. 3 hrs.**

An introduction to the techniques and strategies of creative writing, including primarily poetry and fiction, and not excluding creative non-fiction, drama, film scripts, graphic novels, and hypertexts. The course will make use of models from established contemporary writers and allow students to practice the techniques of these writers.

**ENG 1200. Grammar Skills for The Workplace. 2 hrs.**

A course in the basics of English grammar. Students will review basic skills in grammar, punctuation and usage through written exercises and workbook assignments.

**ENG 1203. Business & Industrial Communication. 0.5 hrs.**

Designed to meet the specialized writing skills of business and technical programs, individual businesses, and industries; the course will tailor each class to specific communication tasks requested by employers. Credit will be assigned appropriately for each section offered, as agreed upon by the college and the business or industry making the request. Lecture, variable.

**ENG 1205. Writ Comm Skills for Bus Ind & Tech. 3 hrs.**

This course focuses on writing for vocational, technical, and business worlds. Designed for students in business, technical, and vocational programs, the writing includes memos, letters, resumes, business and technical reports. The course also stresses team building, critical thinking, and problem solving. Prerequisite: Appropriate score on English placement exam, or an ACT subscore of 22, or successful completion of ENG 0900 or the individualized lab modules of ENG 0910, Eng 0911, and ENG 0912. In addition, Accuplacer reading exam score of 68 or higher, or ACT reading subscore of 23 or higher, or successful completion of RED 0900 or the individualized lab modules of RED 0190, RED 0911, and RED 0912.

**ENG 2000. Technical & Business Writing. 3 hrs.**

Designed for the student in baccalaureate technical and business programs, this course focuses on the types of on-the-job writing encountered in technical, professional, and business areas: emphasizes short and long report writing in the student's major, as well as practical, technical and business written communication (such as letters, abstracts, and personal evaluations). Prerequisite: ENG 1001.

# English as a Second Language

## CST Courses

### **CST 0960. Constitution Test Preparation. 0.5 hrs.**

This course is designed to provide review and instruction on the Constitution of the United States and the Constitution of the State of Illinois for educationally mature students seeking to meet GED Constitution testing requirements on this subject matter. The Constitution test is administered through IVCC's Assessment Center. Grading is pass/fail. Prerequisite: None unless specified.

### **CST 0970. Citizenship Skills (ABE). 0.5 hrs.**

This course is designed to prepare qualified legal immigrants and refugees for the written and oral sections of the USCIS (United States Citizenship Immigration Services) citizenship exam administered in English. Prerequisite: A TABE (Test of Adult Basic Education) reading score of below 9.0, the ability to read and write basic English, understand and communicate in English orally, and read and write common sight words and basic personal information.

### **CST 0980. Citizenship Skills (ASE). 0.5 hrs.**

This course is designed to prepare qualified legal immigrants and refugees for the written and oral sections of the USCIS (United States Citizenship Immigration Services) citizenship exam administered in English. It is primarily geared towards English-speaking students. Prerequisite: A minimum TABE (Test of Adult Basic Education) reading score of 9.0 or higher, the ability to read and write English, understand and communicate well orally and read and write common sight words and basic personal information.

### **CST 0990. Citizenship Skills (ESL). 0.5 hrs.**

This course is designed to prepare qualified legal immigrants and refugees for the written and oral sections of the USCIS (United States Citizenship Immigration Services) citizenship exam administered in English. Prerequisite: Ability to read and write English at a student performance level (SPL) of 3 (High Beginning Level) or more as well as understand and communicate well orally in English and read and write common sight words and basic personal information. A minimum BEST (Basic English Skills Test) literacy score of 36, a CELSA (Combined English Language Skills Assessment) score of 20, a BEST Plus score of 418, or permission of the instructor.

### **CST 2200. Computer Assisted Instruction. 3 hrs.**

Computer-Assisted Introduction prepares teachers to use computer networks in their curriculum. Instruction includes skills in presenting computers, guiding students in computer use, providing student-centered practice, and evaluating student progress. Emphasis is on the use of computer network functions.

## EOR Courses

### **EOR 0900. English As a Second Language Orientation. 0.5 hrs.**

This course provides skills assessment, needs assessment goal-setting and adult education program information for the beginning-level English As A Second Language (ESL) student. During this orientation course, the student is given a CASAS Test, the Basic English Skills Test (BEST), or an approved alternative. The instructor then discusses these test results with the student as well as assesses the student's unique interests and needs. The instructor also identifies the student's goals and the situations in which he/she needs to communicate in English. This pass/fail course also includes an overview of Adult Education policies and procedures as well as a description of the structure of a multi-level classroom. Prerequisite: CASAS score of 180 or higher; BEST score 0-46.

## ESL Courses

### **ESL 0900. English As a Second Language (begin 1). 0.5 hrs.**

Offered in a classroom setting on campus and at extension sites, the ESL component of the Adult Education program focuses on improvement of listening, speaking, reading, and writing skills for non-native English speakers. Progressive levels of instruction are provided through eight curriculum components. Grade is not included in the GPA for graduation.

### **ESL 0910. English As a Second Language (begin 2). 0.5 hrs.**

Offered in a classroom setting on campus and at extension sites, the ESL component of the Adult Education program focuses on improvement of listening, speaking, reading, and writing skills for non-native English speakers. Progressive levels of instruction are provided through eight curriculum components. Grade is not included in the g.p.a. for graduation.

### **ESL 0920. English As a Second Language (begin 3). 0.5 hrs.**

Offered in a classroom setting on campus and at extension sites, the ESL component of the Adult Education program focuses on improvement of listening, speaking, reading, and writing skills for non-native English speakers. Progressive levels of instruction are provided through eight curriculum components. Grade is not included in the g.p.a. for graduation.

### **ESL 0930. English As a Second Language (inter 1). 0.5 hrs.**

Offered in a classroom setting on campus and at extension sites, the ESL component of the Adult Education program focuses on improvement of listening, speaking, reading, and writing skills for non-native English speakers. Progressive levels of instruction are provided through eight curriculum components. Grade is not included in the g.p.a. for graduation.

### **ESL 0950. English As a Second Language (inter 3). 0.5 hrs.**

Offered in a classroom setting on campus and at extension sites, the ESL component of the Adult Education program focuses on improvement of listening, speaking, reading, and writing skills for non-native English speakers. Progressive levels of instruction are provided through eight curriculum components. Grade is not included in the g.p.a. for graduation.

### **ESL 0960. English As a Second Language (adv 1). 0.5 hrs.**

Offered in a classroom setting on campus and at extension sites, the ESL component of the Adult Education program focuses on improvement of listening, speaking, reading, and writing skills for non-native English speakers. Progressive levels of instruction are provided through eight curriculum components. Grade is not included in the g.p.a. graduation.

### **ESL 0980. Functional English. 1 hr.**

Functional English as a second language is designed to enable the participants to communicate effectively in their workplace and community. Priority will be given to the structures and vocabulary needed not only for communication within the work environment but also for basic survival and personal/social adjustment to the community.

### **ESL 0990. ESL Transition I. 1 hr.**

Students will enter this transition class either having already completed an advanced-level English as a Second Language (ESL) class or having scored 66 or higher on a Basic Skills Test (BEST) or 42 or higher on an English Language Skills Assessment (CELSA). Individuals placing into ESL Transition I will also score below the ninth-grade reading level on the TABE Survey Form 9. Students in ESL Transition will work on the skills necessary to function in academic situations in non-ESL classes at the college level. Emphasis will be placed on producing clear, well-organized paragraphs. English grammar and usage will be reviewed as needed. Students will engage in activities from a variety of sources, including CD/tapes, videos, and guest speakers, and then respond to what they have heard through class discussions. Instructors will monitor student progress through pre- and post-testing in order to determine students' readiness to transition to either ESL Transition II or college-level classes. Prerequisite: Students will enter this transition class either having already completed an advanced-level English as a Second Language (ESL) class or having scored 66 or higher on a Basic Skills Test (BEST) or 42 or higher on an English Language Skills Assessment (CELSA). Individuals placing into ESL Transition I will also score below the ninth-grade reading level on the TABE Survey Form 9.

### **ESL 0991. ESL Transition II. 1 hr.**

Students will enter this transition class either having already completed an advanced-level English as a Second Language (ESL) class or having scored 66 or higher on a Basic Skills Test (BEST) or 180 on CASAS. Individuals placing into ESL Transition II will also score at the ninth-grade reading level or above on the TABE Survey Form 9. Students in ESL Transition II will work on the skills necessary to function in academic situations in non-ESL classes at the college level. Students will read longer and more advanced authentic English material, prose, and short stories and then react to those readings both in writing and in class discussions. Emphasis will be placed on producing clear, well-organized and well-developed essays. English grammar and usage will be reviewed as needed. Students will also engage in various career exploration activities as well as learn occupational vocabulary specific to their career interests. In addition, students will engage in a variety of activities from a variety of sources including CD/tapes, videos, and guest speakers, and then respond to what they have heard through class discussions. Instructors will monitor student progress through pre- and post-testing in order to determine students' readiness to transition to either ESL Transition II or college-level classes.

**ESL 0992. Bridge To Healthcare. 3 hrs.**

Students will explore different healthcare professions while learning and practicing basic skills in the healthcare field. Students will observe different healthcare workers and students in their learning and potential work environments as they visit healthcare facilities and college classes. The course will review the entrance requirements for healthcare programs of study. This class will assist students in vocabulary development and critical thinking skills by developing an academic and career path toward their short-and long-term goals in the healthcare field. The Transition Team will provide career counseling to transition students into a career or post-secondary education.

**ESL 0993. Bridge To Manufacturing. 3 hrs.**

Students will explore a variety of manufacturing professions for career development while learning and practicing basic skills in the manufacturing field. Students will observe workers and students in both their learning and potential work environments as they visit manufacturing college classes. The course will review the entrance requirements for the manufacturing programs of study. This course will also assist students in learning mathematical reasoning, reading and writing techniques, technology integration, workplace vocabulary, critical thinking skills, and soft skills for the workplace. Students will also develop an academic and career path toward their short-and long-term goals in a manufacturing field. The Adult Education Team will provide intensive supportive services in academic and career counseling to transition students into a career, post-secondary education, and/or employment.

# Film

## Courses

**FLM 2009. The Art of The Film. 3 hrs.**

Background viewing, critiquing, lectures, discussions on history and appreciation of cinema as an art form and its influence on and reflection of society. IAI: F2 902.

**FLM 2010. Film, Art & Literature. 3 hrs.**

This course looks closely at the relationship of film, visual art, and literature, focusing most specifically upon the interaction between them from a historical perspective, i.e. how this relationship has changed as the art forms have changed since their inception. Required comparative readings and film and art viewings are a component of this course. IAI: HF 900.

# Finance

## Courses

**FIN 1200. Principles of Finance. 3 hrs.**

An introductory finance course dealing with principles of financial management and control. Emphasis will be placed on the areas of financial analysis and return on investment, administration of assets, financial institutions, capital structure and cost of capital, short and long-term financing, and short, intermediate and long-term debt financing. Prerequisite: ACT 1010 or concurrent enrollment.

**FIN 1201. Personal Finance. 1.5 hr.**

Consumer financial practices that promote personal and family economic welfare. Topics include: budgeting, cash flow, insurance, credit, major purchases, and debt management. Lecture, one and one-half hours per week.

**FIN 1202. Personal Investments & Ret. Planning. 0.5 hrs.**

An introduction to the wide array of investment vehicles open to individuals, i.e., money market instruments, stocks, bonds, mutual funds, etc. Also covered are: retirement investments, estate planning, and income tax planning. Lecture, one and one-half hours per week.

**FIN 1205. Personal Financial Management. 3 hrs.**

Financial principles and consumer practices that promote individual and family welfare. Topics include: budgeting, taxes and tax planning, insurance, housing, investments, consumer credit and debt management, buying techniques, and retirement and estate planning.



# Food Sanitation

## Courses

### **FSS 1200. Applied Food Service Sanitation. 1 hr.**

This course is designed to assist the manager or potential manager of any food service operation to apply food service sanitation. Topics to be included are sanitation and health, sanitary food and food handling, safe food environment, sanitation and the customer, and sanitation management.

# Forensics

## Courses

**FRS 1000. Introduction To Forensic Science. 3 hrs.**

This course examines the field of forensic science. The categories of criminalities, criminology, psychiatry, dentistry, handwriting, fingerprint comparison, toxicology, serology, and other specialties will be used in this course.

**FRS 2010. Basic Prin Documentation & Communication. 3 hrs.**

This course will acquaint the student with the necessary communication skills necessary to conduct a forensic investigation. Both written and oral aspects of communication will be explored including documentation of field investigation: completion of standard forms for data gathering; the use of computer animation; preparation for deposition procedures and courtroom decorum; and professional ethics in forensics. Prerequisite: FRS 1000 and CRJ 1000.

**FRS 2030. Trace Evidence. 3 hrs.**

This class examines trace evidence collection including the general principles of collecting particular types of evidence and laboratory organization and practices. The areas of trace evidence discussed include, but are not limited to: glass analysis, elemental analysis, paint analysis, fiber analysis, and hair analysis. The identification of impressions found at the crime scene will be discussed. Prerequisite: CRJ 1000 and FRS 1000.

**FRS 2040. Forensic Photography. 3 hrs.**

This course examines photography procedures and methodologies applied to crime scenes and forensic evidence. Included will be the use of forensic light sources, digital photography as well as digital imaging. Hands-on applications and instructor feedback will be emphasized. Prerequisite: CRJ 1000 and FRS 1000.

**FRS 2050. Crime Scene Analysis. 3 hrs.**

This course is designed to acquaint the student with the concepts of forensic crime scene analysis and the criminalist's role at the scene. This includes a detailed study of the various investigative and scientific aspects of crime scene analysis. Emphasis will be placed on the collection, preservation, identification, and packaging of evidence. Prerequisite: CRJ 1000 and FRS 1000.

**FRS 2280. Forensic Specialists Practicum. 4 hrs.**

This course is a practicum arrangement whereby each student receives credit for work experience in a job related to course work in the criminal justice system. In addition to learning applications of course material, students will be responsible for their own success. Through planned interrelation of learning experiences in the classroom and on the job, this training strives to prepare the student for the job market. The Forensics Internship and Internship Seminar may be repeated once for credit in order to provide the student with the possibility of expanded experience within the field. If the internship is repeated, the intern must accept placement at an agency different than the first agency internship. This would allow students to gain hands-on experience with two separate agencies and improve their marketability upon graduation. Prerequisite: CRJ 1000 and FRS 1000, consent of instructor and concurrent enrollment in FRS 2290.

**FRS 2290. Forensic Specialists Practicum Seminar. 1 hr.**

This course is a seminar course in which forensic specialist interns meet with the internship coordinator to discuss their experiences. This seminar will also provide a forum for assistance, problem solving, and/or concerns. The seminar course may be repeated once for credit along with the internship if the second course is taken at an agency different from the first internship. Prerequisite: Concurrent enrollment in FRS 2280.

# French

## Courses

### **FEN 1000. Conversational French I. 3 hrs.**

Introduction to the basics of the language, with emphasis on speaking and listening skills. A supplement to the FEN-1001-FEN-2002 language courses with additional practice in basic conversation. Can be taken prior to the regular language sequence(s) -- 1001 and following -- or concurrently with any other course (except 2003 Advanced Composition and Conversation). Can also be taken on its own merits for those with a personal interest for avocational purposes. Provides basic conversational patterns, idiomatic vocabulary, basic grammar and syntax, and general cultural patterns. IN THE MAJORITY OF INSTANCES, THIS COURSE WILL TRANSFER ONLY AS A GENERAL ELECTIVE FOR THE B.A. DEGREE OR FOR OTHER BACCALAUREATE DEGREES REQUIRING A WORLD LANGUAGE.

### **FEN 1001. Elementary French I. 4 hrs.**

An elementary French course designed to foster development of the four essential skills of language acquisition: comprehension of spoken French, reading comprehension, speaking and writing. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners, write and participate in class discussions.

### **FEN 1002. Elementary French II. 4 hrs.**

A continuation of FEN-1001 designed to foster development of the four essential skills of language acquisition: comprehension of spoken French, reading comprehension, speaking and writing. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners, write and participate in discussions. Prerequisite: FEN 1001, one year of high school French.

### **FEN 1010. Conversational French II. 3 hrs.**

A continuation of French 1000, with additional conversation practice and review. Provides an expansion of conversational patterns, vocabulary, review of basic grammar and syntax, and continued exploration of culture in Francophone countries. IN THE MAJORITY OF INSTANCES, THIS COURSE WILL TRANSFER ONLY AS A GENERAL ELECTIVE FOR THE B.A. DEGREE OR FOR OTHER BACCALAUREATE DEGREES REQUIRING A WORLD LANGUAGE.

### **FEN 2001. Intermediate French I. 4 hrs.**

An intermediate French course designed to foster development of the four essential skills of language acquisition: comprehension of spoken French, reading comprehension, speaking and writing, and an awareness of cultural and literary contributions from Francophone countries. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners, write and participate in discussions. Prerequisite: FEN 1002, two years of high school French or permission of the instructor.

### **FEN 2002. Intermediate French II. 4 hrs.**

A continuation of FEN 2001 designed to foster development of the four essential skills of language acquisition: comprehension of spoken French, reading comprehension, speaking and writing, and an awareness of cultural and literary contributions from Francophone countries. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners, write and participate in discussions. Prerequisite: FEN 2001 or three years of high school French. IAI: H1 900.

### **FEN 2003. Composition & Conversation. 3 hrs.**

An advanced level composition and conversation course with emphasis on oral and written proficiency, study of idiomatic expression and current usage. Prerequisite: FEN 2002 or three years of high school French (or consent of instructor).

### **FEN 2004. Survey of French Literature. 3 hrs.**

An advanced level composition and conversation course based upon a survey of historical French literature. Grammar is reviewed extensively. Advanced selections from French literature will be read and analyzed. Prerequisite: FEN 2002 or three years of high school French (or consent of instructor).

# Gender Studies

## Courses

**GEN 2000. Women Through Culture and Centuries. 3 hrs.**

This course examines the historical development of gender norms, identities and roles as they have been shaped and changed by cultural, historical, and political factors. The course will promote understanding of the significance that gender plays in societies. The opportunity to learn about the history and contributions of women in the arts and sciences, and to think critically regarding these issues is available to male and female students in this context. IAI: H9 900.

**GEN 2001. Women in Ancient Cultures. 3 hrs.**

This course is designed to give students an understanding of the status and relationship of women and men within the historical context of ancient western civilization and the development of patriarchy in society, especially as they apply to the status and relationships of men and women today. Students will learn of archeological finds, including architecture, art, literature, both belles lettres and otherwise, and human remains and also of social, philosophical, and historical theories that explain, or attempt to explain, the ideologies regarding the role of women and men in ancient societies. Prerequisite: ENG 1001 IAI: HF 907D.

**GEN 2002. Women in Literature. 3 hrs.**

This course looks closely at literature by and/or about women as it informs their gendered identity. A key component of the course is the historical and chronological discussion of gender role definition and the relationship between that and how women are viewed and view themselves. Discussion of readings, films, and other media trace the development of women's writings and increases appreciation and awareness of the excellence in women's writing. Prerequisite: ENG 1001 and ENG 1002 IAI: H3 911D.

# Geography

## Courses

### **GEG 1001. Weather & Climate. 4 hrs.**

An investigation into the science of the earth's atmosphere and its related weather. Emphasis will be placed on the origin and composition of the atmosphere, earth-sun relationships, radiation, temperature, humidity, condensation and precipitation, air pressure and winds, air masses, climates, severe weather, and forecasting. Typical assignments will involve the interpretation of weather symbols, the identification of weather conditions, and simple weather forecasting techniques. Lecture, two hours per week; seminar, one hour per week; lab, two hours per week. IAI: P1 909L.

### **GEG 1002. Physical Geography. 4 hrs.**

This course identifies key elements within the Earth's atmosphere, hydrosphere, lithosphere and biosphere, and explains the processes that shape these subsystems and that govern their interaction. Special emphasis is given to the geographic distribution of these phenomena and the manner in which human populations are affected by their natural surroundings and how they impact the physical environment. Lecture, two hours per week; seminar, one hour per week; lab, two hours per week. IAI: P1 909L.

### **GEG 1003. Cultural Geography. 3 hrs.**

This course systematically examines present-day cultural landscapes in an attempt to ascertain the spatial manifestations of various cultural elements: demography, migration, language, religion, agriculture, political/economic systems and urbanization. Geographical analysis is emphasized as an important tool that can be applied to find solutions to the problems confronting humankind at various scales (local, regional, and global). Lecture, two hours per week; seminar, one hour per week. IAI: S4 900N.

### **GEG 1004. World Regional Geography. 3 hrs.**

This is a survey course that examines each of the world's major geographical realms: Europe, Russian Realm, East Asia, Southeast Asia, South Asia, North Africa and Southwest Asia, Subsaharan Africa, Australia/Oceania, South America, Latin America and North America. A systematic review is conducted of the unique physiographic, climatic, cultural, historical, political, and economic elements that define and differentiate these regions. Lecture: three hours per week. IAI: S4 900N.

### **GEG 1005. Introduction To Astronomy. 4 hrs.**

Astronomy, one of mankind's oldest intellectual pursuits, continues to both intrigue and awe man, even after 5,000 years. This course is designed to meet the needs of those students who merely have a cursory interest in the where, what, and how of cosmic phenomenon such as the sun, moon, planets, stars, meteors, comets, and constellations. Also, we will speculate on the why and when of black holes, and the possibility of life in space. Weather permitting, we will have laboratory sessions on stellar observational equipment and techniques. Lecture, two hours per week; seminar, one hour per week; lab, two hours per week. IAI: P1 906L.

### **GEG 1007. Planetary & Space Science. 3 hrs.**

A survey of space and time, exploring past, present, and future development of our universe and solar system. Subjects included are: sun, moon, planets, stars, meteors, comets, constellations, galaxies, quasars, and black holes. Astronomy, being interdisciplinary science, will also cover concepts dealing with biology, geology, and religion. (For non-geography/geology majors)



# Geology

## Courses

### **GEL 1005. Natural Disasters. 3 hrs.**

This is an introductory course in the study of the interactions between human activities and hazardous natural processes. An overview of modern concepts in geology and other earth sciences is followed by an in-depth examination of natural hazards including the nature of hazards, human impacts on hazardous processes, the impact of hazards on humans, and human responses to hazards. This course provides instruction in applied geology and other earth sciences and scientific reasoning that is useful to all students. IAI: P1 908.

### **GEL 1006. Introduction To Oceanography. 3 hrs.**

The course focuses on the marine environment as a unique feature of the planet earth and investigates areas of intense and public concern--the pervasiveness of the ocean and its effect on the earth's weather, its stunning physical size and diversity of contained life forms, its contributions to the physical and historical development of man, its impact on geopolitical and economic matters, the impact of oceanic pollutants, and the potential exploitation of marine resources. IAI: P1 905.

### **GEL 1007. Environmental Geology. 4 hrs.**

This is an introductory course in the study of the interactions between human activities and the earth and geologic processes. An overview of modern geologic concepts is followed by an in- depth examination of natural hazards, natural resources, waste management, environmental restoration and land-use planning. This course provides instruction in applied geology and scientific reasoning that is useful to all students. Lecture, two hours per week; seminar, one hour per week; lab, two hours per week. IAI: P1 908L.

### **GEL 1008. Physical Geology. 4 hrs.**

An introduction to the study of the earth as it is carried on by geologists today. Geological principles and processes dealing with geomorphology, crustal movements, rock and mineral identification, volcanism, and sedimentation are some of the topics covered. Experience in aerial photo and topographic map interpretation is provided in laboratory exercises. Lecture, two hours per week; seminar, one hour per week; lab, three hours per week. IAI: P1 907L.

### **GEL 1009. Historical Geology. 4 hrs.**

An introductory study into the origin and structure of the earth. Emphasis will be placed on North America, dealing with the growth of continents, and mountain building. A study of evolution changes occurring in plant and animal life as documented by fossil remains will be made. Interpretation of geologic forces by means of topographic maps and geologic maps. Field trips are an integral part of the course. Lecture, two hours per week; seminar, one hour per week; lab, three hours per week. IAI: P1 907L.

# German

## Courses

### **GER 1000. Conversational German. 3 hrs.**

Introduction to the basics of the language, with emphasis on speaking and listening skills. A supplement to the GER-1001-GER-2002 language courses with additional practice in basic conversation. Can be taken prior to the regular language sequence(s) -- 1001 and following -- or concurrently with any other course (except 2003 Advanced Composition and Conversation). Can also be taken on its own merits for those with a personal interest for avocational purposes. Provides basic conversational patterns, idiomatic vocabulary, basic grammar and syntax, and general cultural patterns. IN THE MAJORITY OF INSTANCES, THIS COURSE WILL TRANSFER ONLY AS A GENERAL ELECTIVE FOR THE B.A. DEGREE OR FOR OTHER BACCALAUREATE DEGREES REQUIRING A WORLD LANGUAGE.

### **GER 1001. Elementary German I. 4 hrs.**

An elementary German course designed to foster development of the four essential skills of language acquisition: comprehension of spoken German, reading comprehension, speaking and writing. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners, write and participate in class discussions.

### **GER 1002. Elementary German II. 4 hrs.**

A continuation of GER 1001 designed to foster development of the four essential skills of language acquisition: comprehension of spoken German, reading comprehension, speaking and writing. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners, write and participate in discussions. Prerequisite: GER 1001 or one year of high school German.

### **GER 1010. Conversational German II. 3 hrs.**

A continuation of GER 1000, with additional conversation practice and review. Provides an expansion of conversational patterns, vocabulary, review of basic grammar and syntax, and continued exploration of German culture. IN THE MAJORITY OF INSTANCES, THIS COURSE WILL TRANSFER ONLY AS A GENERAL ELECTIVE FOR THE B.A. DEGREE OR FOR OTHER BACCALAUREATE DEGREES REQUIRING A WORLD LANGUAGE.

### **GER 2001. Intermediate German I. 4 hrs.**

An intermediate German course designed to foster development of the four essential skills of language acquisition: comprehension of spoken German, reading comprehension, speaking and writing, and an awareness of German cultural and literary contributions. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners, write and participate in discussions. Prerequisite: GER 1002, two years of high school German or permission of the instructor.

### **GER 2002. Intermediate German II. 4 hrs.**

A continuation of GER 2001 designed to foster development of the four essential skills of language acquisition: comprehension of spoken German, reading comprehension, speaking and writing, and an awareness of German cultural and literary contributions. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners, write and participate in discussions. Prerequisite: GER 2001, three years of high school German or equivalent or permission of instructor. IAI: H1 900.

### **GER 2003. Composition & Conversation. 3 hrs.**

An advanced level composition and conversation course with emphasis on a variety of readings; modern German authors, newspapers and magazines and selected short texts to illustrate points of grammar. Prerequisite: GER 2001 or three years of high school German (or consent of instructor).

### **GER 2004. Survey of German Literature. 3 hrs.**

An advanced level composition and conversation course based upon a survey of modern German prose and poetry, principally as a means of gaining insight into modern German thought and character. Writers include Hoffmannsthal, Schnitzler, Boll, Mann, Brecht, Rilke, Grass and Eichendorf. Prerequisite: GER 2003 or three years of high school German (or consent of instructor).

# Graphic Design Technology

## Courses

### **GDT 1201. Introduction To Page Layout. 3 hrs.**

In this class students will produce a variety of single-page and multi-page documents. They will learn to set and format type, work with paragraph styles, import images from Illustrator and Photoshop, define and apply color, apply graphic effects, create PDF's and package files for printing. Please note: students must have previous experience working on a Mac or PC platform. Prerequisite: The student should know how to use the mouse to point and click, and how to drag items around the screen. The student should know how to resize a window, and how to arrange windows on the desktop to maximize the space available. The student should know how to access pull-down menus and how check boxes work. Lastly, the student should know how to create, open and save files. Experience on either platform (Mac or PC) is required.

### **GDT 1202. Photoshop I for Graphic Design. 3 hrs.**

This course is an introduction to this image editing software for printing and Web design. Students will learn the basics of this program in a step-by-step format on the Macintosh platform. This is a cross-platform course so students using Intel-based systems running Windows will also benefit from this instruction. Prerequisite: The student should know how to use the mouse to point and click, and how to drag items around the screen. She/he should know how to resize a window, and how to arrange windows on the desktop to maximize the space you have available. She/he should know how to access pull-down menus and how check boxes work. Lastly, the student should know how to create, open and save files. Experience on either platform (Mac or PC) is required.

### **GDT 1203. Printing Technology. 3 hrs.**

This course is an introduction to the history and technology of the printing process. This course will give students a better understanding of what happens to their digital layout during the printing process. The basic concepts of traditional prepress are reviewed as well as digital terminology and digital prepress concepts.

### **GDT 1204. Web Design for Graphic Design. 3 hrs.**

This course is an introduction to professional Web site management and page creation. Students will learn the basic program in a step-by-step format on the Macintosh platform.

### **GDT 1205. Introduction To Social Media Marketing. 1 hr.**

This class is intended for professionals in marketing, web design and development, graphic design, journalism, visual communications, customer service, and others who want to understand and implement social media more effectively. It is also aimed to help businesses set up and run profitable social media campaigns. This is an introduction to the social web and current, popular tools and topics. While an individual's interests in and goals for using social media will be varied and perhaps specific this class will provide the student with a working knowledge of the tools and address questions, concerns, and possible misconceptions of their use in the everyday workplace. Lecture: one hour per week.

### **GDT 1207. Digital Photography. 3 hrs.**

This course is an introduction to digital photography and is designed to take the photographer from auto to manual settings. The class will cover the terminology and fundamentals of photography. Students will be required to use manual settings on their cameras to create digital images for class critiques and projects. A digital camera with manual mode and ISO, aperture and shutter control, memory card for camera, and a USB flash drive are required for this course. Lecture: 3 hours per week.

### **GDT 1208. Introduction To Facebook. 1 hr.**

This course is an introduction to the most popular social networking vehicle. Students will explore Facebook's role in marketing. Students will set up a Facebook profile and adhere to best practices. Students will also explore how Facebook may be used by businesses and non-profits to generate meaningful posts and status updates to build and maintain a business community. Information will be provided about ads, analytics and how to assess the performance of the competition. Lecture: one hour per week.

### **GDT 1222. Introduction To Illustrator. 3 hrs.**

This course is an introduction to familiarize the student with the fundamentals of Adobe Illustrator. The program is an industry standard in the graphic arts and produces vector artwork. This is a cross-platform course so students using Intel-based systems running Windows will also benefit from this instruction.

### **GDT 2006. Visual Communications I. 3 hrs.**

Introduction to Design in Advertising. A studio course in layout, lettering, mechanical skills and studio preparation for graphic production; survey of reproduction processes. Lecture, one hour per week; laboratory, four hours per week. Prerequisite: DSN 1000 and DRW 1000.

### **GDT 2202. Photoshop II. 3 hrs.**

This course is an advanced class in Adobe Photoshop for Graphic Design. In this class the students will build on their existing knowledge of the programs expanding creative techniques and pursue production setup. This is a cross-platform course so students using Intel-based systems running Windows will also benefit from this instruction. Prerequisite: GDT 1202 or CSG 1202.

### **GDT 2205. Graphic Design Internship I. 1 hr.**

The student will relate academic studies to the world of work, become familiar with the career of graphic design, apply the principles and theories learned in classroom experiences, establish learning outcomes, and prepare related reports. Application of materials and skills learned in prior classes will be the focus of this internship. Prerequisite: Students must complete at least one full semester of the Graphic Design courses (GDT 1201, GDT 1202, DRW 1000, DSN 1000) as outlined in the student guide sheet and have a minimum of a C average in graphic classes and the consent of the program director.

### **GDT 2206. Graphic Design Internship II. 1 hr.**

The student will relate academic studies to the world of work, become familiar with the career of graphic design, apply the principles and theories learned in classroom experiences, establish learning outcomes, and prepare related reports. Application of materials and skills learned in prior classes will be the focus of this internship. Prerequisite: Students must complete at least one full semester of the Graphic Design courses (GDT 1201, GDT 1202, DRW 1000, DSN 1000) as outlined in the student guide sheet and have a minimum of a C average in graphic classes and the consent of the program director.

### **GDT 2207. Graphic Design Internship III. 1 hr.**

The student will relate academic studies to the world of work, become familiar with the career of graphic design, apply the principles and theories learned in classroom experiences, establish learning outcomes, and prepare related reports. Application of materials and skills learned in prior classes will be the focus of this internship. Prerequisite: Students must complete at least one full semester of the Graphic Design courses (GDT 1201, GDT 1202, DRW 1000, DSN 1000) as outlined in the student guide sheet and have a minimum of a C average in graphic design classes and the consent of the program director.

### **GDT 2211. Design Solutions I. 4 hrs.**

This is a student staffed in-house design studio course. Participants will work on real life assignments from many areas including jobs from Illinois Valley Community College, not-for-profit groups, and area businesses in the Apple Mac Lab. The student will relate academic studies to the world of work, become familiar with their career, apply the principles and theories learned in classroom experiences, establish learning outcomes, and prepare related reports. Prerequisite: GDT 1201, GDT 1202, GDT 1222, and GDT 2006.

### **GDT 2214. Multimedia I. 3 hrs.**

Students will explore theories, elements, and hardware/software components of multimedia. Topics include digital image editing, digital sound and video editing, animation, web page development, and interactive presentations. Emphasis is on conceptualizing and producing effective multimedia.

### **GDT 2216. Visual Communications II. 3 hrs.**

This course is an advanced class in Visual Communications. The student will review the design procedures and gain advanced knowledge in the principles of design and develop solutions for advanced design problems. Prerequisite: GDT 2006.

### **GDT 2221. Graphic Design Solutions II. 4 hrs.**

This is the advanced level of the student staffed in-house design studio course. Participants will continue to work on real life assignments from many areas including jobs from IVCC, not-for-profit groups, and area business in the Mac lab. The students will relate academic studies to the world of work, become familiar with their careers in graphic design, apply the principles and theories learned in classroom experiences, establish learning outcomes, and prepare related reports. They will also prepare a professional portfolio and resume for a job search. Prerequisite: GDT 2211, GDT 2202, and GDT 2232.

### **GDT 2232. Illustrator II. 3 hrs.**

This course is advanced instruction on Adobe Illustrator. The program is an industry standard in the graphic arts field and produces vector artwork. This is a cross-platform course so students using Intel-based systems running Windows will also benefit from this instruction. Prerequisite: GDT 1222.

# Health and Wellness

## Courses

**HPE 0002. Fitness Ctr Usage. 0 hrs.**

**HPE 000A. Health & Physical Ed. Elective. 0 hrs.**

**HPE 000B. Health & Physical Ed. Elective. 0 hrs.**

**HPE 000C. Health & Physical Ed. Elective. 0 hrs.**

**HPE 000D. Health & Physical Ed. Elective. 0 hrs.**

**HPE 000E. Health & Physical Ed. Elective. 0 hrs.**

**HPE 1000. Wellness. 1 hr.**

This is a course designed to help students understand the wellness concept and how it applies to the development of a healthy lifestyle. The course content includes information on self-responsibility, nutrition, stress management, and physical fitness.

**HPE 1001. Wellness Lab. 1 hr.**

A course designed to help the student appraise and develop his/her own level of physical fitness as it applies to the total concept of wellness. Each student will actively take part in a personal fitness program using the college fitness center. An orientation session for each student will be held at the beginning of the semester and each student's level of fitness will be evaluated through pre- and post-physical fitness assessment measures. Prerequisite: HPE 1001 cannot be taken concurrently with HPE 1020, 1021, 2020 or 2021.

**HPE 1002. Professional Orientation. 2 hrs.**

A course designed to teach the appreciation of sports, recreation, health, and safety in modern sports. Required for students majoring in physical education. Lectures and recitations, two hours per week.

**HPE 1003. Personal and Community Health. 2 hrs.**

This course includes a study of community health problems caused by pollution, communicable disease and chronic illness. It considers personal problems caused by malnutrition, drugs and emotional illness. Current developments in health science are discussed. One lecture and one seminar per week.

**HPE 1004. First Aid. 2 hrs.**

A course designed to provide the citizen responder with the knowledge and skills necessary in an emergency to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until professional medical help arrives. Students passing the course may be eligible to receive American Red Cross certification in American Red Cross First-Responding to Emergencies and American Red Cross Adult CPR.

**HPE 1005. Coaching of Basketball. 2 hrs.**

A course in the fundamentals of basketball with emphasis on offensive and defensive skills, techniques, and history of the game.

**HPE 1006. Coaching of Football. 2 hrs.**

A course in the fundamentals of football with emphasis on skills, rules, and strategy.

**HPE 1007. Coaching of Baseball. 2 hrs.**

A course in the fundamentals of baseball with emphasis on offensive and defensive skills, knowledge of the rules, training and practices, officiating techniques, and history of the game.

**HPE 1008. Physical Education Activities for Elementary School Children. 2 hrs.**

A course designed to present the activities involved in physical education for elementary school children. Progression within the activities and techniques of organization will be included.

**HPE 1020. Physical Fitness I. 1 hr.**

This course is designed for the student desiring to reach a beginning level of fitness. Emphasis is placed on three areas of physical fitness: strength, flexibility, and cardiovascular endurance. Each student must attend an orientation session at the beginning of the class. Each student's level of fitness will be evaluated through a pre-and-post-physical fitness assessment. Prerequisite: None. HPE 1001 cannot be taken concurrently with this course.

**HPE 1021. Physical Fitness II. 1 hr.**

This course is designed for the student desiring to reach an intermediate level of fitness. Emphasis is again placed on three areas of physical fitness: strength, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre-and post-physical fitness test. Prerequisite: HPE 1020, HPE 1001 cannot be taken concurrently with this course.

**HPE 1022. Weight Training and Conditioning. 1 hr.**

A course in the techniques and methods of weight training and physical conditioning. Emphasis will be on the development of strength, muscular endurance, flexibility, and cardiovascular endurance as elements of physical fitness.

**HPE 1023. Advanced Weight Training & Conditioning. 1 hr.**

A course in advanced techniques and methods of weight training and physical conditioning. Emphasis will be on power lifting and olympic weight lifting techniques.

**HPE 1024. Golf. 1 hr.**

A course dealing with the theory and practice of the fundamental skills used to play golf.

**HPE 1200. Personal Fitness Training. 1 hr.**

A course providing the student with the basic skills required of a personal fitness trainer. Emphasis is placed on fitness program design for the healthy adult and the adult with special concerns.

**HPE 1201. Physical Fitness in The Workplace. 1 hr.**

This course is designed for the student desiring to reach a beginning level of fitness. Emphasis is placed in three areas of physical fitness: strength, flexibility and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre-and post-physical fitness assessment.

**HPE 1301. Physical Fitness in The Workplace II. 1 hr.**

This course is designed for the student desiring to reach an intermediate level of fitness. Emphasis is again placed in three areas of physical fitness: strength, flexibility and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre-and post-physical fitness assessment.

**HPE 1302. Physical Fitness Workplace III. 1 hr.**

This course is designed for the student desiring to reach an advanced level of fitness. Emphasis is again placed in three areas of physical fitness: strength, flexibility and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1303. Physical Fitness Workplace IV. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1304. Physical Fitness in The Workplace V. 1 hr.**

This course is designed for the student desiring to maintain an advanced level of fitness. Emphasis is placed in three areas of physical fitness: strength, flexibility and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1305. Physical Fitness Workplace VI. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness; muscular strength, body composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1306. Physical Fitness Workplace VII. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness: muscular strength, body composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1307. Physical Fitness Workplace VIII. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness: muscular strength, body composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1308. Physical Fitness in the Workplace IX. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness: muscular strength, body composition, flexibility and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.



**HPE 1309. Fitness in the Workplace X. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness: muscular strength, body composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre-and post-physical fitness assessment.

**HPE 1310. Fitness in the Workplace XI. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness: muscular strength, body composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1311. Fitness in Workplace XII. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness: muscular strength, body composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1312. Fitness in Workplace XIII. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness: muscular strength, body composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 1313. Fitness in Workplace XIV. 1 hr.**

This class is designed for the advanced student who is interested in maintaining a high degree of physical fitness. This class emphasizes all the components of physical fitness: muscular strength, body composition, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre- and post-physical fitness assessment.

**HPE 2020. Physical Fitness III. 1 hr.**

This course is designed for the student desiring to maintain a high level of fitness. Emphasis is placed in three areas of physical fitness: strength, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre-and post-physical fitness test. Prerequisite: HPE 1020, HPE 1001 cannot be taken concurrently with this course.

**HPE 2021. Physical Fitness IV. 1 hr.**

The course is designed for the student desiring to maintain a high level of fitness. Emphasis is again placed on the three areas of physical fitness: strength, flexibility, and cardiovascular endurance. Each student's level of fitness will be evaluated through a pre-and post-physical fitness test. Prerequisite: HPE 2020, HPE 1001 cannot be taken concurrently with this course.



# Heating, Ventilation, and Air Conditioning

## Courses

### **HVC 1210. Basic Heating. 3 hrs.**

This course is a beginning course using gas heating to illustrate basic concepts of heating. Lecture, 2 hours; lab, 2 hours. Prerequisite: ELE 1200 or concurrently enrolled.

### **HVC 1220. Basic Refrigeration. 3 hrs.**

This course will introduce the basic concepts of refrigeration and air conditioning. Instruction will include laboratory activities of basic mechanical and physical refrigeration work. Lecture, 2 hours; lab, 2 hours. Prerequisite: ELE 1200 or concurrently enrolled.

### **HVC 1230. Sheet Metal Fabrication. 3 hrs.**

In this course, students will gain knowledge and obtain practical hands-on skills in using sheet metal equipment to make a variety of ducts, fittings, and grills for the fabrication of air and gas handling duct work. Lecture, 2 hours; lab, 2 hours.

### **HVC 1240. Design, Installation & Servicing. 3 hrs.**

This course is designed to provide the necessary skills and knowledge associated with the design of different air conditioning and heating systems, pipe lay-out and components along with the service aspects and installation. Lecture, 2 hours; lab, 2 hours.

### **HVC 2210. Advanced Heating. 3 hrs.**

This course is a continuation of the HVC 1210. It is designed to provide more detailed coverage of the different types of heating systems. Lecture, 2 hours; lab, 2 hours.

### **HVC 2220. Domestic Appliances. 3 hrs.**

This course will deal with troubleshooting and repair of major appliances of the home including: refrigerators, freezers, washers, dryers, ranges, automatic dishwashers, microwave ovens, water heaters, and garbage disposals. Lecture, 2 hours; lab, 2 hours.

# History

## Courses

**HIS 000A. History Elective. 0 hrs.**

**HIS 000B. History Elective. 0 hrs.**

**HIS 1000. History of Western Civilization I. 3 hrs.**

An introductory course dealing with an analysis of the political, economic, social and cultural events and achievements of Western Civilization. The course begins with early man and ends with the Middle Ages. Special emphasis will be placed on early man, Sumer, Egypt, Greece, Rome and the Middle Ages. In appropriate places, a multicultural approach will be stressed. IAI: H2 901.

**HIS 1001. History of Western Civilization II. 3 hrs.**

An introductory course dealing with an analysis of the political, economic, social and cultural events and achievements of Western Civilization. The course begins with the Renaissance and ends with the aftermath of World War II. Special emphasis will be placed on such developments as the Renaissance, the Reformation, The Enlightenment, the French Revolution, World War I, World War II and its aftermath. In appropriate places, a multicultural approach will be stressed. IAI: H2 902.

**HIS 1002. British History I. 3 hrs.**

**HIS 1003. History of Eastern Civilization. 3 hrs.**

This course introduces the student to East Asian societies and their cultures, concentrating on China and Japan, from their beginnings to the 20th Century. Social, economical, political, and religious institutions will be examined within an historic context. IAI: S2 920N.

**HIS 1004. British History II. 3 hrs.**

**HIS 1005. American Labor History. 3 hrs.**

This course is a survey of the history of workers in America from colonial times to today, with an emphasis on the relationship between workers and industrialization. The role of work, the history and development of labor unions, and the impact of a modern global economy on workers are some of the topics which will be studied.

**HIS 2000. United States History To 1865. 3 hrs.**

An introductory course that examines the political, social, cultural and economic developments of United States history from the pre-Columbian era through the Civil War. IAI: S2 900.

**HIS 2001. United States History From 1865. 3 hrs.**

An introductory course that examines the political, social, cultural and economic developments of United States history since the end of the Civil War. IAI: S2 901.

**HIS 2002. History of Latin America. 3 hrs.**

An introductory course that examines the political, social, cultural and economic developments of Latin America from the pre-Columbian era to contemporary times. IAI: S2 920N.

**HIS 2004. Afro-American History. 3 hrs.**

**HIS 2005. History & Culture of The Third World. 3 hrs.**

This course will introduce the student to history and cultures in the Third World. The basics of Latin American and African past culture, geography, and current issues will be the heart of the course.

**HIS 2006. History of Middle Eastern Civilization. 3 hrs.**

This course introduces the student to Middle Eastern societies and their culture from the introduction of Islam to the present. Social, economic, political and religious institutions will be examined within an historic context. Special topics will include the origin and spread of Islam, the economics of oil, sciences and mathematics, and the Israeli-Palestinian controversy. IAI: S2 920N.

**HIS 2007. History & Civilization of China. 3 hrs.**

This course introduces the student to China, from the origins of Chinese civilization to the present. It will examine the political, social and economic history of China, including the origins and development of its peoples and cultures. IAI: S2 920N.

**HIS 2008. Modern Africa. 3 hrs.**

This course will introduce the student to colonial and post colonial Africa, with an emphasis on social, cultural, and political institutions in these time periods. The course will also focus on present problems in the area of Sub-Saharan Africa, including attempts to overthrow neocolonialism, problems of development, health crises, and other present-day African affairs. IAI: S2 920N.

**HIS 2010. Special Topics in History. 3 hrs.**

In this survey course, students will study a specific issue or period in history. The course content will be dependent upon the topic chosen. The course may be taken four times for credit if the topic(s) of the course is different.

# Honors

## Courses

### **HON 1001. Honors Orientation. 2 hrs.**

Honors Orientation is for first semester Honors Program students and helps students identify, plan, and achieve educational and/or career goals. The course culminates with students presenting an Honors Plan which states their educational and/or career goals and their plan for how they will pursue and/or achieve their goals through community involvement, campus leadership, and experiential learning while members of the IVCC Honors Program. Prerequisite: Honors Program admission.

### **HON 1002. Honors Portfolio. 1 hr.**

Honors portfolio is for Honors Program students in their final semester in the program and helps document and reflect upon the pursuit and/or achievement of their education and/or career goals. The course culminates with students presenting an Honors Portfolio which documents and reflects upon their education and/or career goals and how they pursued and/or achieved their goals through community involvement, campus leadership, and experiential learning while members of the IVCC Honors Program. Prerequisite: Honors Program admission; Completion of HON 1001; Completion of or concurrent enrollment in second Honors section course.

### **HON 1003. Honors Project. 1 hr.**

Honors Project is the second course in the Honors Program sequence following the successful completion of HON 1001, Honors Orientation. This course focuses on a study of leadership styles, further investigation of a career or educational goal, and a group project based on the three pillars of the Honors Program: community involvement, campus leadership, and experiential learning. Prerequisite: HON 1001, Honors Orientation with a minimum grade of C.

### **HON 1009. The Honors Program Colloquium. 1 hr.**

A series of Lecture-Discussion meetings on a variety of subjects (depending upon the specialty of the presenter) that students in the Honors Program would not encounter within their usual course of study. May be repeated for a maximum of four times. Lecture, one hour per week.

# Horticulture

## Courses

### HRT 1010. Principles of Horticulture. 3 hrs.

This course will present a general background in the basic principles of plant growth and development. The topics will include a survey of the wide range of horticulture. Industries related to the production, marketing, and utilization of horticulture crops will be explored. Lecture, 3 hours. IAI: AG 905.

### HRT 1011. Floral Design I. 3 hrs.

This course is designed to introduce students to the floral design principles used to create exceptional floral designs. Topics also include care and handling of fresh flowers and the basic operation of retail floral businesses. Lecture, 2 hours; lab, 2 hours.

### HRT 1220. Annuals and Perennials I. 2 hrs.

This course will present annual and perennial ornamental herbaceous plant species. The focus of the course will be on identification, maintenance and landscape value of selected herbaceous plants. The focus will be on spring flowering perennials and annuals. Lecture, 2 hours.

### HRT 1221. Annuals & Perennials II. 2 hrs.

This course will present annual and perennial ornamental herbaceous plant species. The focus of the course will be on identification, maintenance and landscape value of selected herbaceous plants. The focus of this course will be on late summer and fall blooming perennials and annuals. Lecture, 2 hours.

### HRT 1222. Woody Plant Identification and Use. 4 hrs.

This course will present woody plant species. The focus will be on identification, maintenance and landscape value of selected plant species. Lecture, 3 hours; lab, 2 hours.

### HRT 1223. Evergreens, Vines & Groundcovers. 3 hrs.

This horticulture course will introduce and discuss wood plant species, specifically evergreens, vines, and groundcover. The focus of the course will be on the identification, maintenance and landscape value of selected plant species. Lecture, 2 hours; lab, 2 hours.

### HRT 1224. Plant Propagation & Biotechnology. 4 hrs.

This course will cover the propagation of common plants. Topics will include plant reproduction, propagation techniques and micro-propagation. Also, concepts associated with genetic engineering will be introduced. Lecture, 3 hours; lab, 2 hours.

### HRT 1226. Greenhouse Management. 3 hrs.

This course will cover topics related to greenhouse structures and their operation. Included topics are design, construction, location, heating and cooling systems, cultural practices, and cost accounting as they are related to greenhouse management. Lecture, 2 hours; lab, 2 hours.

### HRT 1227. Floral Crop Production. 3 hrs.

This course will concentrate on the methods for growing and maintaining floral crops produced in the greenhouse. Some of the topics included in the course are: scheduling, crop selection, and production needs. Lecture, 2 hours; lab, 2 hours.

### HRT 1228. Turfgrass Management. 3 hrs.

This course will cover the establishment and maintenance of managed turf grasses. The focus of the course will be on cultural practices and pest control. Lecture, 2 hours; lab, 2 hours.

### HRT 1229. Golf Course Management. 2 hrs.

This course will cover management practices used on golf courses. The topics in this course will include golf course management, cultural practices, and turf problems specific to golf courses. Lecture, 2 hours.

### HRT 1230. Landscape Design I. 3 hrs.

This course will introduce the principles of landscape design. Topics will include site analysis, reading landscape plans, and drafting of landscape plans. Lecture, 2 hours; lab, 2 hours.

### HRT 1231. Landscape Design II. 3 hrs.

This course will continue the development of the principles of landscape design introduced in Landscape Design I. The topics covered will include private space design and full landscape design. Lecture, 2 hours; lab, 2 hours.

### HRT 1232. Floral Design II. 3 hrs.

This course involves the further development of the principles taught in Floral Design I. The topics included in the course are flower shop management and establishment and management of a successful floral business. Advanced floral design skills will also be covered. Lecture, 2 hours; lab, 2 hours.

### HRT 1233. Interior Plants. 2 hrs.

This covers the identification and culture of interior plants. The topics included in the course are: care and maintenance of plants, selection of plants, propagation of plants, and interiorscaping. Lecture, 2 hours; lab, 1 hour.

### HRT 1235. Horticulture Internship Seminar. 1 hr.

This course is designed to prepare the student for enrollment in an Internship, or entering the workforce. Topics include resume writing, interviewing, workplace communication, and career planning.

### HRT 1236. Pest Management I. 2 hrs.

This course is an introduction to the disease and insects that affect ornamental plants and turf. Topics in the course include the identification of pests and control of damage caused to plants with an emphasis on outdoor pests. Lecture, 2 hours; lab, 1 hour.

### HRT 1237. Pest Management II. 2 hrs.

This course is a continuation of the study of diseases and insects that affect ornamental plants and turf. Topics include the identification of pests and control of damage caused to plants with an emphasis on indoor pests and pesticide licensing. Lecture, 2 hours; lab, 1 hour.

### HRT 1238. Nursery Production. 3 hrs.

This course will provide an introduction to the principles of nursery production. Topics include operation, production techniques, and management of a commercial nursery. Lecture, 2 hours; lab, 2 hours.

### HRT 1239. Landscape Construction. 2 hrs.

This course provides hands-on experience installing hardscape material commonly used in landscaping. The focus of the course will be on the utilization of stone and stone-like materials. Lecture, .5 hour; lab, 3 hours.

### HRT 1240. Landscape Construction II. 2 hrs.

This course provides hands-on experience installing hardscape materials commonly used in landscaping. The focus of the course will be on the utilization of stone and stone-like materials in addition to other materials as appropriate for class projects. As a project-based course, students will learn how to install materials as well as how to manage projects. Lecture, .5 hour; lab, 3 hours. Prerequisite: HRT 1239 or consent of instructor.

### HRT 1241. Horticulture Internship. 4 hrs.

This is an on-the-job learning environment in which the student, the employer and the supervising instructor keep in close contact to help the student implement learning technical skills and information. This course joins together the technical information taught in the classroom and laboratory with the in-field experience. Seminar, 320 hours. Prerequisite: Consent of instructor.

### HRT 1242. Horticulture Internship II. 4 hrs.

Students will gain additional work experience in the field of horticulture by taking this course. Application of material and skills learned in prior classes will be the focus of this internship. Seminar, 320 hours.

## HSE (High School Equivalency)

The Adult Education Program (<http://www.ivcc.edu/adulted>) serves adult learners who are 16 years or older and who are not enrolled in public or private high school. Most classes are in an instructional setting and are offered in the following courses:

Adult Basic Education (<http://www.ivcc.edu/adulted.aspx?id=2964>) (ABE), GED® Testing (<https://www.ivcc.edu/adulted.aspx?id=4952>) to obtain the High School Equivalency (HSE) credential, and English as a Second Language and Citizenship (<http://www.ivcc.edu/adulted.aspx?id=2984>) (ESL) classes are available at the IVCC Oglesby and Ottawa Center campuses and at other off-campus sites throughout the IVCC district.

i-Pathways online (<http://www.ivcc.edu/adulted.aspx?id=12618>) is an HSE preparation offering that is primarily an at-a-distance learning program for students assessed in Adult Education with a grade level of 9<sup>th</sup> grade or higher. (815) 224-0358

The English as a Second Language and Citizenship (<http://www.ivcc.edu/adulted.aspx?id=2984>) classes are also available for nonnative English speakers in a multi-level format of students with similar ability. (815) 224-0355 English and Spanish

TO REGISTER FOR FREE ADULT EDUCATION SERVICES,  
CONTACT THE ADULT EDUCATION PROGRAM FOR  
ENROLLMENT POLICIES. (815) 224-0358



# Human Services

## Courses

### **HSR 1000. Introduction To Human Services. 3 hrs.**

This course provides an overview of the field of human services and social welfare, including an analysis of the social, political, and historical context in which human service delivery takes place. Students will gain an understanding of the primary intervention strategies used by human service workers, as well as practical suggestions for developing helping skills and ethical standards in a changing, diverse society. Contemporary social issues and the changing nature of the helping process will be emphasized.

### **HSR 1200. Portfolio Development. 1 hr.**

This course is designed to mentor and support students through their implementation of a personal/professional portfolio. The development of the portfolio will provide students with a framework for initiating, planning and facilitating their professional development while building connections between their professional career goals and educational goals. Students will prepare a portfolio and use the materials as a means to show overall achievement and growth, document the scope and quality of educational experiences and show proof of skills and knowledge. The portfolio will serve as an assessment of student learning and will enhance the students' abilities to meet workforce standards in the field of human services. Prerequisite: Completion of requirements for Human Services Associate in Applied Science Degree.

### **HSR 1201. Counseling Methods & Interviewing Tech. 3 hrs.**

This course provides an orientation to communication strategies and skills necessary to establish collaborative relationships with diverse client populations. Various theoretical models will be reviewed, including behavioral, cognitive-behavioral human relations, ecological, and current theories and perspectives useful for intervention and counseling. Students will have opportunities to begin developing skills in active listening, intake interviewing, crisis intervention, establishing rapport with clients, and supportive individual counseling. The significance of participant empowerment will be emphasized as the student learns empathic communication skills.

### **HSR 1202. Helping Across Cultures. 3 hrs.**

This course provides an orientation to the area of cultural diversity for human service workers. A variety of theoretical models and intervention strategies will be reviewed to sensitize human service providers and those learning to be providers to the complex issues involved in cross-cultural service delivery. Students will have opportunities to begin developing skills to become "culturally competent." Emphasis will be given to the critical need for human service professionals to actualize their commitment to nondiscrimination and equal access for all clients.

### **HSR 1203. Group Dynamics. 3 hrs.**

This course provides an orientation to group dynamics and group leadership for human service workers. Various kinds of groups, group leadership styles, and basic skills for group leaders will be studied, with special attention given to group intervention strategies for the beginning stage, the middle stage, and the closing stage of a group. Emphasis will focus on helpful skills and strategies for dealing with problem group situations and group work with specific populations.

### **HSR 1204. Addictive Disorders. 3 hrs.**

Utilizing a holistic client-centered approach to addictions treatment, this course will present historical and contemporary understandings of the nature of addiction, substance misuse and dependence, addiction across the life span, and diverse modalities for effective treatment of addiction disorders. In addition to alcohol and other drug use, attention will be given to eating disorders, compulsive gambling, sex addiction, computer obsessions, and other addictive behaviors. The disease model of chemical dependency will be thoroughly examined as the foundation for treatment of alcohol and other drug use. In addition, emphasis will be placed on the strengths perspective for direct intervention with persons who are addicted; this model builds on clients' strengths and resources while fostering an empowering treatment environment that emphasizes personal control and choice, a sense of purpose, and a hope-based sense of achievement.

### **HSR 1205. Case Management Skills. 3 hrs.**

This course serves as an introduction to the concept of case management as it is used to provide human services. The case management process is traced from the intake interview to termination of services, with in-depth attention given to the three phases of case management: assessment, planning and implementation. Emphasis is given to exploration of the responsibilities and skills of the effective case manager. In addition, the context in which the case management process occurs is reviewed and organizational, legal, and ethical issues confronting the case manager are addressed. Historical perspectives of case management and theoretical models utilized by case managers are discussed in detail.

### **HSR 1206. Practicum I. 4 hrs.**

This course provides a comprehensive community agency experience for skills development and application, career exploration, and individual reflection. Emphasis will be given to self-understanding as the human services student actively participates in the day-to-day activities of a social service agency. Prerequisite: HSR 1000, HSR 1201, and HSR 1202 or permission of the Program Coordinator.

### **HSR 1207. Practicum II. 4 hrs.**

This course is for students who have completed HSR 1206: Practicum I. This course provides a continued community agency field experience for advanced skills development and application, continuing career exploration, and individual reflection. Emphasis will be given to self-understanding as the student actively participates in the day-to-day service activities of a social service agency. Prerequisite: HSR 1206 or permission of the Program Coordinator.

### **HSR 1208. Substance Abuse Treatment Internship. 5 hrs.**

This course provides a supervised field experience and seminar designed specifically for students pursuing the Substance Abuse Treatment Certificate. Students will spend 300 hours in on-the-job training at an IAODAPCA approved counseling/treatment facility and meet in a weekly seminar for group supervision with the Substance Abuse Coordinator. Prerequisites: HSR 1000, HSR 1201, HSR 1202, HSR 1204, PSY 1000 PSY 2006.

### **HSR 1220. Intro To Domestic Violence Advocacy. 3 hrs.**

This course provides an introduction to domestic violence and sexual assault advocacy. Students will learn the intervention strategies and skills necessary to advocate with institutions and systems on behalf of domestic violence and sexual assault victims. Students will have opportunities to begin developing skills in providing crisis intervention and advocacy to victims of domestic violence and sexual assault. Completion of this course and a student practicum prepares the student to take the Certified Domestic Violence Professional examination.

# Humanities and Fine Arts

## Courses

### **HFA 1000. Appreciation of Arts. 3 hrs.**

This course is an introduction to the humanities focusing upon the roles of the fine arts, their meaning and value. Students learn to apply artistic principles to film, drama, music, painting, literature, culture and architecture. IAI: HF 900.

### **HFA 1007. Special Topics in Humanities and Fine Arts. 0.5 hrs.**

A study of timely and specific problems in the humanities and fine arts (art, drama, foreign languages, literature, music, philosophy, theatre) presented from an interdisciplinary view through directed readings, discussion, projects, or field trips. Specific topics vary from term to term.

### **HFA 1008. British Culture and Society. 3 hrs.**

### **HFA 1018. Austrian Civilization & Culture. 3 hrs.**

### **HFA 1019. Australian Civilization & Culture. 6 hrs.**

This course will be offered through the Illinois Consortium of International Studies and Programs (ICISP) at Macquarie University, Sydney Australia for IVCC credit. As the academic portion of a four week summer study abroad experience, this course will give the student an overview of the history, geography, culture, and politics of Australia through lectures and "hands on" field experience.

### **HFA 1028. Contrasting Cultures. 3 hrs.**

### **HFA 1201. S/T: Learning Community Seminar. 1 hr.**

This one hour, pass/fail course is designed to show the connection of the content of the courses in a particular learning community. Through small group discussions, team building activities, projects, guest speakers, videos, and field trips, students will synthesize the material learned in the courses and also expand the scope of the learning community. Scheduling of the course will be flexible and determined by the instructors. Students must be concurrently enrolled in a learning community. Prerequisite: Learning Communities Courses.

### **HFA 2003. Mythology. 3 hrs.**

The classical myths of Greece and Rome; their nature origins, interpretations, influence, relevance, and use in the modern world. Designed to enable the student to more fully appreciate and understand the use of classical mythology in literature, art, and music.

# Industrial Maintenance

## Courses

**IMT 1200. Equipment Maintenance. 3 hrs.**

This course provides a basic theory of power transmission equipment and practical applications of it. Basic concepts and procedures for the maintenance and replacement of bearings, v-belts, timing belts, and flat belts, chain and chain drives, shaft couplings, gearing, clutches and brakes, lubrication, centrifugal pumps, bearings, screw threads, mechanical fasteners, and packing and seals will be studied. Basic troubleshooting techniques will be studied. Lecture, 2 hours; lab, 2 hours.

**IMT 1205. Industrial Hydraulics. 3 hrs.**

This course is designed to safely introduce all components, circuits, and principles commonly used in industry, and to fully acquaint the student with principles of fluid power. Practical working circuits with many variations have been developed to demonstrate machine behavior and malfunctions as they actually happen. Electro-mechanical exercises tie machine fluid and pneumatic power and electrical behavior together for industrial understanding. Also basic trouble-shooting techniques will be addressed. This course is competency-based instruction. Lecture, 2 hours; lab, 2 hours.

**IMT 1206. Industrial Pneumatics. 2 hrs.**

This course is designed to safely introduce all component circuits, and principles commonly used in industry, and to fully acquaint the student with principles of pneumatic power. Practical working circuits with many variations have been developed to demonstrate machine behavior and malfunctions as they actually happen. Electro mechanical exercises tie machine pneumatic power and electrical behavior together for industrial understanding. This course is competency-based instruction. Lecture, 1 hour; lab, 2 hours.

**IMT 1207. Pipefitting. 2 hrs.**

This course will provide the student with the knowledge and practical applications necessary for the installation and maintenance of building and industrial piping. Components applied to industrial situations will be analyzed. Lecture, 1 hour; lab, 2 hours.

**IMT 1208. Industrial Safety. 1 hr.**

IMT 1208 provides a basic view of the concepts of industrial safety, the origins of the safety movement, the elements of a good safety program and an understanding of those elements. Lecture, 1 hour.

**IMT 1220. Rigging Systems. 3 hrs.**

This course will introduce the student to the discipline known as rigging as applied to maintenance work. The student will participate in a lecture/lab setting, featuring a series of written and performance tests. Safety, rigging math, rigging principles, slings, chains, cranes, rigging hardware, and forklifts will be covered. Lecture, 1.5 hours; lab, 3 hours.

# Italian

## Courses

### **ITL 1000. Conversational Italian I. 3 hrs.**

Introduction to the basics of the language, with emphasis on speaking and listening skills. Provides basic conversational patterns, idiomatic vocabulary, basic grammar and syntax, and general cultural patterns. IN THE MAJORITY OF INSTANCES, THIS COURSE WILL TRANSFER ONLY AS A GENERAL ELECTIVE FOR THE B.A. DEGREE OR FOR OTHER BACCALAUREATE DEGREES REQUIRING A WORLD LANGUAGE.

### **ITL 1010. Conversational Italian II. 3 hrs.**

A continuation of ITL 1000, with additional conversation practice and review. Provides an expansion of conversational patterns, vocabulary, review of basic grammar and syntax, and continued exploration of Italian culture. IN THE MAJORITY OF INSTANCES, THIS COURSE WILL TRANSFER ONLY AS A GENERAL ELECTIVE FOR THE B.A. DEGREE OR FOR OTHER BACCALAUREATE DEGREES REQUIRING A WORLD LANGUAGE.

# Journalism

## Courses

**JRN 1001. Intro To The Mass Media. 3 hrs.**

A survey of the historical, sociological, economic, political and intellectual contexts of the media. Emphasis on criticisms and challenges to newspapers, magazines, radio, television, and films. IAI: MC 911.

**JRN 1002. Reporting. 3 hrs.**

Instruction and practice in the skill of reporting journalistic ethics, and writing copy for the mass media. IAI: MC 919.

**JRN 1003. Advanced Reporting. 3 hrs.**

This course presents the instruction, practice, and laboratory experience in advanced techniques of reporting; with emphasis on public affairs, interpretations, and investigation. Lecture, two hours a week; laboratory two hours a week. Prerequisite: JRN 1002.

**JRN 1090. Introduction To Advertising. 3 hrs.**

This course provides an introduction to the field of advertising. Topics include the role of advertising in integrated marketing communications, consumer behavior, creative strategies, and types of media.

**JRN 2000. Journalism/Communications Internship. 1 hr.**

This course offers the student a practicum experience. Students will work in jobs directly related to their fields of study. This gives the student an opportunity to utilize the principles and skills they have learned in the classroom in real-world situations. Individual students are responsible for contacting a local communications outlet to secure an internship position. Prerequisite: Completion of JRN 1002/Consent of instructor.

# Leadership Studies

## Courses

### **LDS 1000. Leadership Development Studies. 3 hrs.**

This course is designed to provide emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve their leadership skills. The course integrates readings from the humanities, experiential exercises, films, and contemporary readings on leadership. Students taking this course will gain a basic understanding of the concept of leadership theory while developing a philosophy of leadership, an awareness of the moral and ethical responsibilities of leadership, and an awareness of one's own ability and style of leadership. The course provides the opportunity to develop essential leadership skills through study, observation and application.



# Library

## Courses

**LIB 1000. Research Strategies. 1 hr.**

This course prepares the student to address the challenges of an information-rich society. Students will learn how to develop an effective research strategy incorporating traditional library materials and emerging technologies. Information literacy skills can be applied to academic, professional, and personal pursuits.

# Literature

## Courses

### LIT 000A. Literature Elective. 0 hrs.

### LIT 2000. Survey of American Lit I. 3 hrs.

Survey of American Literature from Colonial Period to 1855. A consideration of representative major writers, the significance of their contributions and influence is covered. Attention is also given to the social, economic, and political milieu and influences upon literature. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean). IAI: H3 914.

### LIT 2001. Major English Writers I. 3 hrs.

A study of the principal works and writers of the British Isles, from Anglo-Saxon period through the 18th century, with special attention to political, social and philosophical backgrounds. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean). IAI: H3 912.

### LIT 2004. Drama/Poetry. 3 hrs.

A study of major plays from the ancient Greek to the present day, plus a survey of the major types of poetry.

### LIT 2005. Children's Literature. 3 hrs.

A study of the major genres, themes and critical concerns of literature written for children and young adults. Special attention is given to the historical, social, and cultural contexts that have influenced literature for young people. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean). IAI: H3 918.

### LIT 2006. World Literature in Translation I. 3 hrs.

This course offers reading and analysis of representative masterpieces from a variety of regions and epochs, from ancient cultures to the Renaissance era. Prerequisite: A "C" grade in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean). IAI: H3 906.

### LIT 2010. Survey of American Literature II. 3 hrs.

A continuation of the survey described for LIT 2000 from 1855 to the present. A consideration of representative major writers, the significance of their contributions and influence is covered. Attention is also given to the social economic, and political milieu and influences upon literature. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean). IAI: H3 915.

### LIT 2011. Major English Writers II. 3 hrs.

A continuation of the subject material offered in Chief English Writers 2001, beginning with writers of the Romantic period and concluding with writers of the twentieth century. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean). IAI: H3 913.

### LIT 2013. Fiction. 3 hrs.

This course is designed to acquaint the student with a selection of masterpieces of fiction. The emphasis will be on pleasures and subtlety of the details and narrative artistry contained in the novels and short stories. The course is less a historical survey than an intense appreciation of individual works of art. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean). IAI: H3 901.

### LIT 2021. Intro To Shakespeare I. 3 hrs.

This course is a consideration of the development of Shakespeare's dramatic genius through a study of selected comedies, tragedies, and chronicles. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean). IAI: H3 905.

### LIT 2023. Science Fiction. 3 hrs.

A study of a major type of "popular literature," the course closely investigates the creation of futuristic fiction, its techniques and forms. Extensive reading in both short stories and novels will develop the student's abilities to understand how such literature contributes to western literary tradition. Two sci-fi movies are included in order to study this literature in a popular medium. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean).

### LIT 2031. Introduction To Shakespeare II. 3 hrs.

This course is a continuation of the subject material offered in Introduction to Shakespeare 2021, with special emphasis on the great tragedies and the later comedies. Prerequisite: A "C" grade or better in ENG 1001 and 1002 (May be taken concurrently with ENG 1002 upon consent of the Dean).

# Management

## Courses

**MGT 000A. Management Elective. 0 hrs.**

**MGT 1230. Owning and Operating a Small Business. 3 hrs.**

An introduction to understanding critical elements that are involved with starting and operating a small business. Among the topics discussed are: entrepreneurial alternatives, the business plan, marketing strategies, financial matters, and human resource considerations. Special topics such as social responsibility and ethics may be covered.

**MGT 2010. Principles of Management. 3 hrs.**

A study of nature and functions of management, as well as the concepts, skills, and techniques used in this field. Prerequisite: Students enrolling in Management should have second-year standing or business experience, or consent of instructor.

**MGT 2220. Principles of Supervision. 3 hrs.**

A practical introduction to first-line supervision. Emphasis will be given to the topics of leadership, organization, selection and evaluation of employees, safety, and employee motivation. Prerequisite: MGT 2010 or consent of instructor.

**MGT 2230. The New Business Venture. 3 hrs.**

An instructional course for the next generation of Entrepreneurial Leaders. The need for entrepreneurial education has never been greater. The New Business Venture is about the actual process of getting the new venture started, growing the venture, successfully harvesting it, and starting again. Students will learn how to think, act and perform in more entrepreneurial ways. Students will develop strategies and practices that are economically sensible to sustain a new venture. Students will become skilled at staying poised through the initial exuberance while focusing on knowledge, understanding and experience. Finally, the student will craft a personal entrepreneurial strategy. Prerequisite: MGT 1230.

# Manufacturing

## Courses

### **MET 000A. Manufacturing Elective. 0 hrs.**

### **MET 1200. Inspection, Measurement & Quality. 3 hrs.**

Inspection and gaging covered in a concise manner. Many phases of inspection work and their applications to present-day manufacturing operations. The course covers a variety of manual and automatic measuring devices and gages, their specific function and specialized techniques of application. In addition, it analyzes the methods and duties of the different types of inspectors. Lecture, 3 hours.

### **MET 1202. Manufacturing Materials & Processes I. 4 hrs.**

This course introduces the student to basic manufacturing processes. The course is designed to develop fundamental understanding of the processes used in manufacturing various products. The course covers areas such as; casting, forging, rolling, and machining techniques. This course also has lab in which students will gain hands-on experience in using basic machining tools such as lathe, milling, and grinding machines. Students will learn how to read and utilize precision measuring instruments such as micrometers, calipers, and height gauges. This course also includes a study of the composition and physical properties of ferrous and non-ferrous metals. Lecture, 2.5 hours; lab, 3 hours. IAI: IND 913.

### **MET 1203. Manufacturing Materials & Processes II. 3 hrs.**

This course is a continuation of MET 1202. In this course, students are exposed to other manufacturing processes not covered in MET 1202, such as: welding, nontraditional machining and latest trends in manufacturing. Students will also have opportunity to do advanced machining and measuring on lathes, mills, and drills. This course may be repeated for credit. Lecture, 1.5 hours; lab, 3 hours. Prerequisite: MET 1202. IAI: IND 913.

### **MET 1204. Tooling Processes I. 3 hrs.**

This course covers the fundamentals of press tool design and tool die making principles. Students develop an understanding of basic die types such as piercing, blanking, and stamping. Emphasis is placed on the above die making principles with students working in hands-on environment to produce a series of elementary press tools for secondary die operations. Lecture, 1.5 hours; lab, 3 hours. Prerequisite: MET 1202 AND MET 1203.

### **MET 1205. Tooling Processes II. 3 hrs.**

This course is a continuation of MET 1204. Students will further develop their understanding of press tool processes. Emphasis in this course shifts from simple secondary type tooling to more complex progressive dies. Students will help design and build a working progressive die. Lecture, 1.5 hours; lab, 3 hours. Prerequisite: MET 1202, MET 1203, and MET 1204.

### **MET 1209. Welding Metallurgy. 3 hrs.**

Basic introduction to ferrous and non-ferrous material and alloys and their molecular activity during processing from raw material to finished product. The composition and changes of the metal is analyzed under laboratory testing to heat treatment, destructive and nondestructive testing, and various fabrication processes. Lecture, 3 hours.

### **MET 1224. Industrial Processes and Control. 2 hrs.**

### **MET 1250. Certified Manufacturing Assistant. 6 hrs.**

This course will provide the necessary skills for an individual to enter employment in a manufacturing environment at an entry level. Upon completion, the student will be prepared for on the job training in a specific area or may choose to enter a certificate or degree program for advancement to a technician level position. Lecture, 4 hours; lab, 4 hours.

### **MET 2201. Statistical Quality Control Techniques. 3 hrs.**

This course includes: fundamentals of statistics including Standard Deviation; normal curve frequency, distribution; central limit theorem; construction and use of variable control charts study of process capability; control charts for attributes such as PC charts; basic concepts of acceptance sampling; various sampling plans; AQL; and introduction of reliability. Students will work on SPC Plus software. Lecture, 2 hours; lab, 2 hours. Prerequisite: MTH 1206 or consent of instructor. IAI: IND 914.

### **MET 2206. Manufacturing Tech Internship. 3 hrs.**

Individual students will be assigned to a manufacturing department in a plastics or metal industry. Students meet 1 hour per week with instructor and spend a minimum of 225 hours per semester on the job. Prerequisite: Sophomore manufacturing student or consent of instructor.

# Marketing

## Courses

**MKT 1210. Principles of Marketing. 3 hrs.**

An introductory course in fundamentals of marketing, the nature of competition, basic marketing problems, and policies of business organizations and the planning of marketing.

**MKT 1220. Sales/Retailing. 3 hrs.**

A basic course designed to give students a broad understanding of the principles, methods, policies, problems, and functions of retailing and sales. Students give sales presentations and study actual retail establishments.

**MKT 2210. Principles of Advertising. 3 hrs.**

A study of current trends and recent research in advertising. Planning, creation, and use of advertising and how it relates to the economy and marketing. Evaluation of newspaper, radio, television, outdoor, specialty advertising, and direct mail to find the most economical and effective method of delivering the message to the desired market.

Prerequisite: MKT 1210 or concurrent enrollment in MKT 1210 or consent of instructor.

# Math

## Courses

**MTH 0001. Accuplacer Level 1 Math. 0 hrs.**

**MTH 0002. Accuplacer Level 2 Math. 0 hrs.**

**MTH 0003. Accuplacer Level 3 Math. 0 hrs.**

**MTH 0004. Accuplacer Level 4 Math. 0 hrs.**

**MTH 0005. Accuplacer Level 5 Math. 0 hrs.**

**MTH 0006. Accuplacer Level 6 Math. 0 hrs.**

**MTH 0007. Accuplacer Level 7 Math. 0 hrs.**

**MTH 0008. Accuplacer Level 8 Math. 0 hrs.**

**MTH 0009. ACT Level 2 Mathematics. 0 hrs.**

**MTH 000A. Mathematics Elective. 0 hrs.**

**MTH 0010. ACT Level 1 Mathematics. 0 hrs.**

**MTH 0011. ACT Level 3 Mathematics. 0 hrs.**

**MTH 0012. SAT Level 1 Mathematics. 0 hrs.**

**MTH 0013. SAT Level 2 Mathematics. 0 hrs.**

**MTH 0014. SAT Level 3 Mathematics. 0 hrs.**

**MTH 0017. Fast Track To College Math. 0 hrs.**

**MTH 0900. Pre-Algebra. 3 hrs.**

This course is designed for those students who would like a review of arithmetic before beginning the Basic Algebra course or for those who would like to improve their arithmetic skills and be introduced to beginning algebra topics. Arithmetic topics to be studied include numeration, whole numbers, fractions, decimal numerals, percent, exponents, ratio, and proportion. Algebra topics to be studied include signed numbers, order of operations, simplifying algebraic expressions, evaluating expressions and solving simple equations. This course is offered in a traditional classroom format.

**MTH 0906. Basic Algebra. 4 hrs.**

This course is the first course in a two-semester developmental algebra sequence. Topics of study include: numbers of arithmetic, real numbers, order of operations, solving linear equations and inequalities in one variable, graphing linear equations and inequalities in two variables, solving systems of equations in two variables and three variables, solving application problems in one and two variables, polynomials, and rules of exponents. Mathematical study skills will be studied and applied throughout the course. This course is offered in a combined lecture/computer lab or in the Math Learning Center in an individualized lab/computer lab format. The grade in this course is not computed in the GPA, or applicable to any degree or certificate program for graduation. This course is a prerequisite for MTH 0907. Prerequisite: Appropriate score on the Math Placement Test or successful completion of MTH 0900 with a "C" or better.

**MTH 0907. Intermediate Algebra. 4 hrs.**

This is the second course in a two-semester developmental algebra sequence. Topics to be studied include algebraic operations; functions, polynomials, factoring, rational expressions, exponents and radicals, and quadratic functions. This course is offered in combined lecture/computer lab format or the Math Learning Center in an individualized lab/computer format. No college credit is awarded for this course. Prerequisite: Appropriate score on the Math Placement Test or successful completion of MTH 0906 with a "C" or better.

**MTH 0908. Basic Geometry. 3 hrs.**

This is the beginning course in geometry. Topics of study include: angles, triangles, quadrilaterals, circles, congruence, similarity, area and perimeter plane figures, and surface areas and volumes of selected solids. Emphasis is on applying knowledge of geometry relations to solve problems rather than on rigorous development of geometric relations. An individualized approach is used. Completion of this course satisfies the geometry prerequisite for any other course. Prerequisite: MTH 0907 or adequate score on the math placement test.

**MTH 1000. Math for Liberal Arts. 3 hrs.**

Intended as a survey course for those students interested in developing an appreciation of the role of mathematics and mathematical methods in contemporary thought. Emphasizes the understanding and application of mathematics. The course includes the study of set theory, probability, statistics, and other selected topics such as consumer math, scientific notation, problem solving, and geometry. This course does not serve as the prerequisite for any other mathematics course. Prerequisite: 1) MTH 0907 Intermediate Algebra and MTH 0908 Geometry, both with "C" or better; or 2) An appropriate score on the placement test. IAI: M1 904.

**MTH 1003. College Algebra. 4 hrs.**

This course is primarily for students who need to continue on in mathematics. Topics of study include: review of fundamental algebraic operations, radicals, systems of equations, higher degree equations, inequalities, absolute value, logarithms, matrices, and the binomial theorem. Credit is not given for this course and for MTH 1005. Prerequisite: 1) MTH 0907 Intermediate Algebra and MTH 0908 Geometry, both with a "C" or better; or 2) An appropriate score on the placement test or an ACT math subscore of 24.

**MTH 1004. Trigonometry. 3 hrs.**

This course is primarily for students who need to continue on in the study of mathematics. Topics of study include the trigonometric functions and their graphs, identities, trigonometric equations, and practical applications. Credit is not given for this course and for MTH 1005. Prerequisite: 1) MTH 0907 Intermediate Algebra and MTH 0908 Geometry, both with a "C" or better; or 2) An appropriate score on the placement test.

**MTH 1005. Precalculus. 5 hrs.**

This course covers the same topics as College Algebra (MTH 1003) and Trigonometry (MTH 1004) with emphasis on functions approach and curve sketching. It is recommended for students planning to take the calculus sequence but have not met the prerequisites. Credit is not given for this course and for MTH 1003 or MTH 1004. Prerequisite: 1) MTH 0907 Intermediate Algebra and MTH 0908 Geometry, both with a "C" or better; or 2) An appropriate score on the placement test.

**MTH 1006. Finite Mathematics. 4 hrs.**

This course is intended for students in business, social science, and other areas in which a knowledge of the mathematics of probability, matrices, linear programming and their applications is used. Prerequisite: 1) MTH 1003 with a grade of "C" or better; or 2) An appropriate score on the placement test. IAI: M1 906.

**MTH 1007. Calculus for Bus. & Soc. Sciences. 4 hrs.**

This course is for students who need a basic understanding of differential and integral calculus, but do not need the more rigorous traditional calculus sequence. Applications in the fields of business and social sciences are stressed. Prerequisite: 1) MTH 1003 with a grade of "C" or better; or 2) An appropriate score on the placement test. IAI: M1900B.

**MTH 1008. General Elementary Statistics. 3 hrs.**

This course is intended to provide students with a basic understanding of the role of statistics in society along with a workable knowledge of statistical methods. Topics include: graphical methods of organizing data, numerical descriptions of data, basic probability theory, probability distributions, statistical inference, estimation, hypothesis testing, correlation and regression, and analysis of variance. Prerequisite: 1) MTH 0907 Intermediate Algebra and MTH 0908 Geometry, both with a "C" or better; or 2) An appropriate score on the placement test. IAI: M1 902.

**MTH 1009. Structure of Number Systems I. 3 hrs.**

This course is a study of the basic structure of the real number system, set theory, basic algorithms, informal geometry, and problem solving. The goal of this course is to increase the student's knowledge and understanding of mathematical theories and concepts. This is not a course in computational arithmetic skills. This course is recommended for students majoring in elementary or junior high education. Prerequisite: 1) MTH 0907 Intermediate Algebra and MTH 0908 Geometry, both with a C or better; or 2) An appropriate score on the placement test.

**MTH 1010. Structure of Number Systems II. 3 hrs.**

This course is the second course in a two-semester sequence. Topics of study include, but are not limited to, introductory geometry, measurement, probability, statistics, motion geometry, and coordinate geometry. This course is recommended for students majoring in elementary or junior high education. Prerequisite: 1) MTH 0907 Intermediate Algebra and MTH 0908 Geometry, both with a C or better; or 2) An appropriate score on the placement test. IAI: M1 903.



**MTH 1011. Dimensions of Math Understanding. 3 hrs.**

This course focuses on the student's understanding of mathematical properties of real numbers and problem solving skills. Multiple representations will be used including algebraic. Emphasis is placed on verbal and written communication of mathematical concepts. Prerequisite: 1) MTH 0907 Intermediate Algebra and MTH 0908 Geometry, both with a C or better; or 2) An appropriate score on the placement test.

**MTH 1200. Metric & English Measurement. 1 hr.**

This course is designed for those students who need to study the English and Metric units of measurement and how they are related. Topics to be studied include linear measure, weight measure, volume measure, temperature measure in English, Apothecaries, household, and Metric units. An individualized study approach is used. Applications will focus on basic mathematical concepts necessary in the safe administration of medication for those in nursing and in the sciences and for those needing a review.

**MTH 1206. Technical Mathematics I. 3 hrs.**

This is the first course in technical mathematics. It includes topics in arithmetic, the metric system, selected topics in basic algebra, ratio and proportion, practical geometry and trigonometry. Emphasis is on the use of mathematics to solve typical job problems. An individualized study approach is used. Prerequisite: (1) MTH 0900 Pre-Algebra with a C or better, or (2) adequate score on the math placement test.

**MTH 1208. Applied Mathematics. 3 hrs.**

This course includes topics in algebra and trigonometry; vectors, tables and graphs. It is oriented, where practical, toward typical technical problems.

**MTH 1209. Applied Mathematics II. 5 hrs.****MTH 1216. Technical Mathematics II. 2 hrs.**

This is the second course in the technical math sequence. Topics include: polynomials; equations with applications; graphing linear equations, systems of equations; factoring and quadratic equations. An individualized study approach is used. Prerequisite: MTH 1206 Technical Mathematics I with a C or better.

**MTH 2001. Calculus & Analytic Geometry I. 5 hrs.**

This course is the first in a three-semester sequence of analytic geometry and calculus. Topics include: real numbers, lines, circles, conics, functions, limits, derivative and anti-derivative with applications, transcendental functions and the definite integral with applications. Prerequisite: 1) MTH 1005 or 1003 and 1004, with a grade of "C" or better; or 2) An appropriate score on the placement test. (Proficiency exam available). IAI: M1 900-1; MTH 901.

**MTH 2002. Calculus & Analytic Geometry II. 4 hrs.**

Topics include: the definite integral and applications, techniques of integration, polar coordinates, polar graphs, indeterminate forms, improper integrals, conics, Taylor polynomials, sequences, and series. Prerequisite: MTH 2001 with a grade of C or better. IAI: M1 900-2; MTH 902.

**MTH 2003. Calculus & Analytic Geometry III. 4 hrs.**

Topics include: three dimensional vectors, parametric equations, analytical geometry, partial differentiation, multiple integrals, and vector analysis. Prerequisite: MTH 2002 with a grade of C or better. IAI: M1 900-3; MTH 903.

**MTH 2007. Differential Equations. 3 hrs.**

Solution of ordinary differential equations of the first order and higher order with constant coefficients by exact methods, some equations with variable coefficients, systems of equations, Laplace transforms, and an introduction to numerical methods. Applications of all topics to problems arising in engineering and the physical sciences are studied. Prerequisite: Credit or concurrent enrollment in MTH 2003 or consent of instructor. IAI: MTH 912.

# Music

## Courses

### **MUS 1000. Music Appreciation. 3 hrs.**

A survey course covering the history of music. Intended to broaden the students understanding of music as an essential component of culture. Course work is divided into three categories: study of elements and fundamentals, study of music history and context in which major works were created, and listening. Lecture, three hours per week. IAI: F1 901.

### **MUS 1001. Fundamentals of Music. 2 hrs.**

Introduction to the elements and fundamentals of music theory. Intended to provide students with a general understanding of the elements of music e.g; rhythm, melody, harmony, notation, texture and form. Training in the fundamentals of harmony. Lecture, two hours per week.

### **MUS 1002. Music Theory I. 4 hrs.**

Introductory study of the basic elements of music theory. Coursework is divided into two categories: study of music theory, rhythm, triads, seventh chords and diatonic harmony and aural skills; the development of proficiency in ear training and sight singing using the movable do solfege. Lecture, three hours per week; lab 2 hours per week. NOTE: Music majors must be concurrently enrolled in applied music lessons. Prerequisite: Basic knowledge of music reading.

### **MUS 1012. Music Theory II. 4 hrs.**

Continuation of MUS 1002. Continuation of diatonic harmony, part writing and analysis. Continuation of aural skills; ear training, rhythmic dictation and sight singing using the movable do solfege. Lecture, three hours per week; lab, two hours per week. NOTE: Music majors must be concurrently enrolled in applied music lessons. Prerequisite: MUS 1002.

### **MUS 1090. Introduction To American Music. 3 hrs.**

This course is a survey of the history of American music and its contribution to world music. It emphasizes a basic understanding of music fundamentals, and through readings, discussion, listening, and videos, it promotes a general understanding of the historical and cultural developments of the major American musical genres including Classical, Folk-Ethnic, Popular, Jazz, and Rock-and-Roll-in the United States from the 18th through the 21st centuries. Prerequisite: MUS 1000, Music Appreciation.

### **MUS 2002. Music Theory III. 4 hrs.**

Continuation of MUS 1012. Completion of diatonic harmony. Introduction to chromatic harmony. Emphasis on part writing and analysis, continuation of aural skills; ear training, rhythmic and melodic dictation, and sight singing using the movable do solfege. Lecture, three hours per week; lab, two hours per week. NOTE: Music majors must be concurrently enrolled in applied music lessons. Prerequisite: MUS 1012.

### **MUS 2009. Introduction To Music Education/Field Experience. 1 hr.**

An examination of current philosophies and practices in music education to provide students with perspectives and directions in the classroom. Field experience through direct observation in public schools helps students examine curriculum and methodology. A seminar plus thirty hours in music classrooms for all music education majors is provided through direct supervised observation in a variety of educational settings.

### **MUS 2012. Music Theory IV. 4 hrs.**

Continuation of MUS 2002. Application of analytical techniques through the study of formal designs of the common-practice period. Continuation, sight singing using the movable do solfege, and basic keyboard skills. NOTE: Music majors must be concurrently enrolled in applied music lessons. Prerequisite: MUS 2002.

# Music (performance)

## Courses

### MUP 000A. Applied Music Elective. 3 hrs.

#### MUP 1001. Collegiate Chorale. 1 hr.

A course in the understanding and enjoyment of music. Musical examples studied through selections from standard choral literature. Laboratory, three hours per week. This course may be repeated for a maximum of four hours credit. Prerequisite: None. A desire to sing in a choir.

#### MUP 1002. Wind Ensemble. 1 hr.

Designed primarily to provide performing instrumental ensemble for students and community members with (at least) high school band experience, as well as an ensemble for IVCC students preparing for future college music study. The music selected is written primarily for the Wind Ensemble which is a small wind and percussion performing organization. The ensemble will appear in one formal concert each semester, with informal appearances as activities will allow. This course may be repeated for a maximum of four hours credit. Prerequisite: High school band experience and consent of instructor.

#### MUP 1003. Percussion Ensemble. 1 hr.

Designed primarily to provide performing percussion ensemble for students and community members as well as an ensemble for IVCC students preparing for future college music study. The music selected is chamber music for percussion ensembles of various sizes. The percussion ensemble will appear in one formal concert each semester, with informal appearances as activities will allow. This course may be repeated for a maximum of four hours credit. Prerequisite: High school experience or consent of instructor.

#### MUP 1004. Jazz Ensemble. 1 hr.

A study of style and techniques in the jazz idiom. The course is open to all wind instrument players in addition to piano, guitar, and trap drum players. This course may be repeated for maximum of four hours credit. Lecture, one hour per week; Laboratory, one hour per week. Prerequisite: Performance ability on a wind instrument, piano, guitar or trap drum.

#### MUP 1005. Class Piano. 0.5 hrs.

Beginning group instruction in piano, designed primarily for music majors whose major instrument is not piano. Non-music majors may be admitted with the consent of the Division Chairperson, if space is available. An elementary course including the study of simple piano literature and the development of skill in techniques, sight reading, harmonization, transposition, and analysis. This course may be repeated to total four semester hours. Laboratory, two hours.

#### MUP 1011. Chamber Singers. 1 hr.

A selected group which specializes in studying and performing music written especially for choral ensembles. Lecture, one hour per week; laboratory, one hour per week. This course may be repeated for a maximum of four hours credit. Prerequisite: Audition, consent of instructor and concurrent enrollment in MUS 1001.

#### MUP 1012. Flute Ensemble. 1 hr.

Designed primarily to provide performing instrumental ensemble for students and community members with (at least) high school band experience, as well as an ensemble for IVCC students preparing for future college music study. The music selected is written primarily for the Flute Ensemble which is a small wind and percussion performing organization. The ensemble will appear in one formal concert each semester, with informal appearances as activities will allow. This course may be repeated for a maximum of four hours credit. Prerequisite: High school band experience and consent of instructor.

#### MUP 1021. Swing Choir. 1 hr.

A course in the understanding and enjoyment of music. Musical examples studied through selections from swing choral literature. This course may be repeated for a maximum of four hours credit. Laboratory, three hours per week. Prerequisite: A desire to sing in a choir.

#### MUP 1031. Class Voice. 2 hrs.

Beginning group instruction in voice, designed primarily for students without previous experience or study in solo singing. Includes the development of basic skills in vocal technique through vocal exercises and standard classical song literature. Although the song repertoire will, initially, be learned by the group, emphasis will be on the development of each student as a soloist.

#### MUP 2001. Applied Music- Vocal. 2 hrs.

Individual instruction for music students whose principal performing medium is voice. Emphasis on technique, literature on performance, with proficiency requirements at each level. One hour lesson per week. This course may be repeated for a maximum of eight (8) semester hours. Concurrent enrollment in one of the College vocal groups recommended. Prerequisite: Music major or audition. The 1-credit Applied Voice which includes MUP 1001, MUP 1011, MUP 1021 or MUP 1031 and permission of instructor.

#### MUP 2003. String Ensemble. 1 hr.

Designed to provide a performing ensemble for students and community members with high school string experience, as well as an ensemble for IVCC students preparing for future collegiate or professional music programs. Literature selected is written primarily for violin, viola, cello and bass. The ensemble will appear in one formal concert each semester, with informal appearances as activities will allow. This course may be repeated for a maximum of four (4) semester hours. Prerequisite: Consent of instructor.

#### MUP 2005. Applied Music:Piano. 2 hrs.

Individual music instruction for students whose principal performing medium is piano. Emphasis is placed on technique, literature and performance, proficiency requirements at each level. One hour per lesson per week.

#### MUP 2013. Applied Music: Guitar. 2 hrs.

Individual music instruction for students whose principal performing medium is one of the variety of instruments classified as string (2013-2053), woodwind (2022-2072), brass (2014-2044) or percussion (2005-2025). Piano, organ and guitar are also available. Emphasis is placed on technique, literature and performance, proficiency requirements at each level. One hour per lesson per week. This course may be repeated for a maximum of eight (8) semester hours. Concurrent enrollment in one of the college instrumental groups is recommended.

#### MUP 2014. Applied Music: Trumpet. 2 hrs.

Individual music instruction for students whose principal performing medium is one of the variety of instruments classified as string (2013-2053), woodwind (2022-2072), brass (2014-2044) or percussion (2005-2025). Piano, organ and guitar are also available. Emphasis is placed on technique, literature and performance, proficiency requirements at each level. One hour per lesson per week. This course may be repeated for a maximum of eight (8) semester hours. Concurrent enrollment in one of the college instrumental groups is recommended.

#### MUP 2015. Applied Music: Percussion. 2 hrs.

Individual music instruction for students whose principal performing medium is one of the variety of instruments classified as string (2013-2053), woodwind (2022-2072), brass (2014-2044) or percussion (2005-2025). Piano, organ and guitar are also available. Emphasis is placed on technique, literature and performance, proficiency requirements at each level. One hour per lesson per week. This course may be repeated for a maximum of eight (8) semester hours. Concurrent enrollment in one of the college instrumental groups is recommended.

#### MUP 2022. Applied Music: Oboe. 2 hrs.

Individual music instruction for students whose principal performing medium is one of the variety of instruments classified as string (2013-2053), woodwind (2022-2072), brass (2014-2044) or percussion (2005-2025). Piano, organ and guitar are also available. Emphasis is placed on technique, literature and performance, proficiency requirements at each level. One hour per lesson per week. This course may be repeated for a maximum of eight (8) semester hours. Concurrent enrollment in one of the college instrumental groups is recommended.

#### MUP 2023. Applied Music: Violin. 2 hrs.

Individual music instruction for students whose principal performing medium is one of the variety of instruments classified as string (2013-2053), woodwind (2022-2072), brass (2014-2044) or percussion (2005-2025). Piano, organ and guitar are also available. Emphasis is placed on technique, literature and performance, proficiency requirements at each level. One hour per lesson per week. This course may be repeated for a maximum of eight (8) semester hours. Concurrent enrollment in one of the college instrumental groups is recommended.





# Nursing

## Courses

### **NUR 1201. Fundamentals of Nursing I. 4 hrs.**

An introductory course in nursing. The content focuses on nursing as a profession within varied settings, integrating personal philosophy, legal documentation, and ethical accountability. The nursing process is introduced as the foundation for the development of Critical Thinking skills. An approach to goal-oriented communication is utilized in promotion, protection, and maintenance of health. These skills are blended to assist the student in providing individuals, families or groups with health education within various community settings. Cultural diversity is introduced as a consideration in providing the learner with health care knowledge based on varied values and personal belief systems. Lecture, two and one-half hours per week; clinical, four and one-half hours per week, including clinical conferences and discussion of related topics. Prerequisite: Admission to the nursing program; current enrollment in or completion of (A.D.N.) BIO 1007, BIO 1009, ALH 1002, or (P.N.) ALH 1200, BIO 1200, ALH 1002.

### **NUR 1202. Fundamentals of Nursing II. 4 hrs.**

A basic course in nursing which expands the knowledge and skills acquired in Fundamentals of Nursing I. The content incorporates holistic wellness and health restoration across the life span focusing on medication administration, principles of asepsis, elimination, fluid and electrolytes, oxygenation, and perioperative and wound care. Campus lab experiences enhance development of dexterity and proficiency of nursing skills. Supervised practice in the clinical area provides students opportunities to implement critical thinking, therapeutic nursing skills, communication skills, and care management in providing patient care. Lecture, two and one-half hours per week; college laboratory, two hours per week; clinical, five and one-half hours per week including clinical conference and discussion of related topics. Prerequisite: Successful completion of NUR 1201; concurrent enrollment in, or completion of BIO 1007, BIO 1009, ALH 1002.

### **NUR 1205. Pharmacology I for The Nursing Student. 1.5 hr.**

This course is designed to prepare the nursing student to safely administer medications in the clinical setting. The intent of this course is to introduce the nursing student to the fundamentals of drug therapy and pharmacotherapeutics of nursing practice. The focus of major drug classifications and specific medicinal agents will be discussed in relation to pharmacodynamics, pharmacokinetics, therapeutic use, adverse reactions, and precautions. Major classifications studied in this course include nutrition and Electrolytes, Anti-inflammatory Agents, Non-narcotic and Narcotic Analgesics, Anti-infective Agents, and Endocrine Agents. Students who successfully complete Nursing 1205 with a "C" or greater will continue the study of pharmacology in Nursing 1206. This course is intended for nursing students who have previous credit for NUR 1201 or are currently enrolled in NUR 1201.

### **NUR 1206. Pharmacology II for The Nursing Student. 1.5 hr.**

This course is designed to continue to prepare the nursing student to safely administer medications in the clinical setting. The intent of this course is to assist the nursing student in application of the fundamentals of drug therapy and pharmacotherapeutics of nursing practice that were introduced in Nursing 1205. The focus of major drug classifications and specific medicinal agents will continue from Nursing 1205 and be discussed in relation to pharmacodynamics, pharmacokinetics, therapeutic use, adverse reactions, and precautions. Major drug classifications in this course include Cardiovascular Agents, Respiratory Agents, Neurologic Agents, Antineoplastics, and Psychiatric Agents. This course is intended for nursing students who have successfully completed NUR 1201 and NUR 1205 with a grade of "C" or better and who have successfully completed or are concurrently enrolled in NUR 1202. Prerequisite: Credit or concurrent enrollment in NUR 1202.

### **NUR 1210. Mental Health Nursing. 3 hrs.**

The focus on this course is the nursing care of patients with mental health problems throughout the life cycle. The student is provided the opportunity to utilize critical thinking, the nursing process, nursing skills, and theoretical knowledge in a variety of health care settings. Lecture, one and one-half hours per week; clinical, four and one-half hours per week, including clinical conferences and discussion of related topics. Prerequisite: NUR 1201, NUR 1202; (A.D.N.) BIO 1007, BIO 1009, ALH 1002; OR (P.N.) ALH 1200, ALH 1002, BIO 1200. Concurrent enrollment in, or completion of (A.D.N.) ALH 1000, BIO 1008, PSY 1000 or (P.N.) PSY 1000, ENG 1001.

### **NUR 1211. Holistic Nursing I. 5 hrs.**

The focus of this course is the nursing care of patients with the most commonly experienced problems of the respiratory, cardiopulmonary, gastrointestinal, urinary, endocrine, and integumentary systems across the life span. Students are provided an opportunity to utilize critical thinking, the nursing process, nursing skills, and theoretical knowledge in a variety of health care settings. Lecture, three hours per week; clinical, six hours per week, including clinical conferences and discussion of related topics. Prerequisite: NUR 1201, NUR 1202, (A.D.N.) BIO 1007, BIO 1009, ALH 1002; or (P.N.) ALH 1200, ALH 1000, BIO 1200. Concurrent enrollment in, or completion of (A.D.N.) ALH 1000, BIO 1008, PSY 1000 or (P.N.) PSY 1000, ENG 1001.

### **NUR 1220. Role of The Licensed Practical Nurse. 1 hr.**

The focus of this course is the role and function of the practical nurse. The role and function of the licensed practical nurse will be identified and discussed in relation to law, institutional policy, professional standards, and ethical behavior. Current trends in practical nursing and health care are explored. Lecture, one hour per week. Prerequisite: NUR 1201, NUR 1202, NUR 1210, NUR 1211; ALH 1200 (or ALH 1000 and BIO 1009); BIO 1200 (or BIO 1007 and BIO 1008); PSY 1000; ENG 1001. Completion of or concurrent enrollment in NUR 1221.

### **NUR 1221. Holistic Medical/Surgical Nursing for The Practical Nurse.. 5 hrs.**

The focus of this module is the nursing care of patients with the most commonly experienced conditions and problems of the reproductive, nervous, and immunological systems across the lifespan. Care of the childbearing client/family, including normal pregnancy and common complications is also covered. Students are provided an opportunity to utilize critical thinking, the nursing process, nursing and communication skills, and knowledge of theory and community in the clinical setting. Lecture, four hours per week; clinical, six hours per week, including clinical conferences and discussion of related topics. Prerequisite: NUR 1201, NUR 1202, NUR 1210, NUR 1211; ALH 1200 (or ALH 1000 and BIO 1009); ALH 1002; BIO 1200 (or BIO 1007 and BIO 1008); PSY 1000; ENG 1001. Completion of or concurrent enrollment in NUR 1220.

### **NUR 1230. Intro To Registered Nursing for The Practical Nurse.. 2 hrs.**

This course is designed to assist the LPN in the understanding of the comprehensive role of the registered nurse as specified by the philosophy and curriculum of the Illinois Valley Community College Associate Degree Nursing Program. Learning experiences will be provided to evaluate and enhance the LPN's knowledge of nursing concepts and performance of selected nursing skills. This course is a requirement for students who have not graduated from the Practical Nursing program at Illinois Valley Community College and wish to pursue the Associate Degree in Nursing. It is also a requirement for individuals who have graduated from the IVCC P.N. program over three years ago. Independent study. Prerequisite: Licensure as a Practical Nurse and Advanced Placement standing in the Associate Degree Nursing program.

### **NUR 2200. Management Concepts in Nursing. 2 hrs.**

This course introduces the Associate Degree nursing student to the basic knowledge related to managing client care as required by the profession of Nursing. Key concepts to be included are: leadership, client care management, time management, health care, economics, supervision, delegation, conflict resolution, quality and safety in nursing, and transition from student to professional practice. Lecture, two hours per week. Prerequisite: NUR 1201, NUR 1202, NUR 1210, NUR 1211; BIO 1007, BIO 1008, BIO 1009, ALH 1002, ALH 1000, PSY 1000. Concurrent enrollment in or completion of ENG 1001, SOC 1000; or licensure as a Registered Nurse.

### **NUR 2201. Holistic Nursing II. 5 hrs.**

The focus of this module is the holistic nursing care across the life span of patients with problems related to the biliary, digestive, hematologic and reproductive systems, cancer, burns, and HIV/AIDS. The student is provided the opportunity to utilize critical thinking, the nursing process, nursing skills, theoretical knowledge, and management skills in various health care settings. Lecture, three hours per week; clinical, six hours per week, including clinical conferences and discussion of related topics. Prerequisite: NUR 1201, NUR 1202, NUR 1210, NUR 1211, BIO 1007, BIO 1008, ALH 1002, BIO 1009, ALH 1000, PSY 1000. Concurrent enrollment in or completion of ENG 1001, SOC 1000, NUR 2200.

**NUR 2202. Maternal Child Nursing I. 4 hrs.**

The focus of this course is on the nursing needs of individuals as they relate to childbearing and children. Experience in preventive, supportive, and therapeutic care is offered through clinical experience in the care of the obstetrical patient, newborn, child, and adolescent. Students are provided the opportunity to utilize critical thinking, the nursing process, nursing skills, and management skills in various health care settings. Lecture, two hours per week; clinical, five and one-half hours per week including clinical conferences and discussion of related topics. Prerequisite: NUR 1201, NUR 1202, NUR 1210, NUR 1211, BIO 1007, BIO 1008, BIO 1009, ALH 1002, ALH 1000, PSY 1000. Concurrent enrollment in or completion of ENG 1001 and SOC 1000 and NUR 2200.

**NUR 2210. Issues in Professional Nursing. 1 hr.**

This course is concerned with the current issues and trends in the practice of nursing and the delivery of health care. Students will have an opportunity to apply concepts learned in NUR 2200 to current issues and trends to continue preparation for transition into practice. Analytical reasoning skills are presented to assist the student nurse to adopt a point of view to make or defend legal, ethical, and moral judgments. The Illinois Nursing Act and ethical issues in nursing are discussed. Lecture, one hour per week. Prerequisite: NUR 1201, NUR 1202, NUR 1210, NUR 1211, NUR 2200, NUR 2201, NUR 2202; BIO 1007, BIO 1008, BIO 1009, ALH 1002, ALH 1000, PSY 1000, ENG 1001, SOC 1000. Concurrent enrollment in or completion of ENG 1002 or licensure as a registered nurse.

**NUR 2211. Holistic Nursing III. 5 hrs.**

The focus of this course is the nursing care of clients/patients throughout the life cycle with neurological, endocrine, and musculoskeletal(NEMS) problems. Students are provided the opportunity to utilize critical thinking, the nursing process, nursing skills, theoretical knowledge, and management skills in various health care settings. Lecture, three hours per week; clinical, six hours per week, including clinical conferences and discussion of related topics. Prerequisite: NUR 1201, NUR 1202, NUR 1210, NUR 1211, NUR 2200, NUR 2201, NUR 2202, BIO 1007, BIO 1008, BIO 1009, ALH 1000, ALH 1002, PSY 1000, SOC 1000, ENG 1001. Concurrent enrollment or completion of ENG 1002 and NUR 2210.

**NUR 2212. Holistic Nursing IV. 5 hrs.**

The focus of this module is the nursing care of individuals throughout the life cycle with needs related to the cardiac, respiratory, vascular, and renal systems. The student is provided the opportunity to utilize critical thinking, the nursing process, nursing skills, theoretical knowledge, and management skills in various health care settings. Lecture, three hours per week; clinical, six hours per week including clinical conferences and discussion of related topics. Prerequisite: NUR 1201, NUR 1202, NUR 1210, NUR 1211, NUR 2200, NUR 2201, NUR 2202, BIO 1007, BIO 1008, BIO 1009, ALH 1000, ALH 1002, PSY 1000, SOC 1000, ENG 1001. Concurrent enrollment in or completion of ENG 1002 and NUR 2210.

**NUR 2300. Health Assessment for Nursing. 3 hrs.**

This course is designed for the nurse who wishes to refine the basic assessment skills. Theoretical data will be focused on the subjective data (history taking) and objective data(physical examination and findings). Common developmental and cultural data will be integrated. Simulated laboratory experiences provide opportunities to apply the assessment skills. The student will analyze the data to determine nursing diagnosis. Prerequisite: R.N., experienced L.P.N., or the student nurse who has successfully completed BIO 1007 and 1008 (or comparable courses) and the first year of the nursing program.

**NUR 2301. Pharmacology in Nursing Practice. 3 hrs.**

This course is designed for the nurse who wishes to develop her/his theoretical knowledge base of pharmacotherapeutics for nursing practice. The focus of major drug classifications and specific medicinal agents will be discussed in relation to pharmacodynamics, pharmacokinetics, therapeutic uses, adverse reactions, and precautions. Prerequisite: R.N. or experienced L.P.N. or successful completion of NUR 1201 and 1202 and BIO 1007 and 1008 or BIO 1200.

**NUR 2302. Emergency/Critical Care Nursing. 3 hrs.**

This course is designed for the nurse who wishes to develop his/her knowledge in theory and concept relative to the care of clients with complex health problems. Emphasis is placed on synthesis of concepts and principles applicable to crisis complex situations including: cardiopulmonary, renal neuroendocrine, multiple traumatic injuries, system failure, pediatric high risk, ethical, legal, political, economical, and historical issues. This course will assist individuals in preparation for ACLS, PALS, CEN and/or CCRN certification. Lecture, three hours per week. Prerequisite: Registered Nurse or Licensed Practical Nurse with one year current work experience.

**NUR 2303. Perioperative Nursing. 3 hrs.**

This course is designed for the nurse who wishes to enhance or develop his/her knowledge of perioperative nursing. Emphasis is placed on the synthesis of concepts and principles applicable to providing care to the surgical patients in the intra-operative period. It shall include history of surgery and perioperative nursing, environmental safety, anesthesia, positioning, and wound management. This course will assist those individuals preparing for CNOR certification for employment in the perioperative setting and/or acute surgical patient care. Prerequisite: Licensed Practical Nurse or Registered Nurse.

**NUR 2304. Holistic Practice & The Nurse Healer. 1.5 hr.**

This course is the first part of the Integrative Healing Arts Program. It is an introduction to holistic nursing and focuses on caring for the needs of health care professionals and developing a healing presence with others.

**NUR 2305. Integrated Modalities & Caring Healing. 2 hrs.**

This course is the second course in the Integrative Healing Arts Program and focuses on holistic philosophy and scientific basis for the mind, body, spirit connection. Participants study theory, research and clinical applications for various holistic modalities; such as, aromatherapy, music therapy, yoga, acupuncture, Reiki, and guided imagery.

**NUR 2306. The Healing Environment & Nutrition. 1.5 hr.**

This course is the third course in the Integrative Healing Arts Program. This course will examine nutrition and the immune system, nutritional supplements, and the therapeutic and preventative aspects of nutrition. Advanced concepts in the art and science of healing environments and how to incorporate them in clinical settings will be discussed.

**NUR 2307. Transformational Leadership. 1.5 hr.**

This course is the fourth course in the Integrative Healing Arts Program. Participants explore their own behaviors and leadership skill sets which will help them develop a personalized relationship-centered leadership style. The focus of this class is on the students' roles and cultural change agents.



# Philosophy

## Courses

**PHL 1001. Introduction To Philosophy. 3 hrs.**

An introduction to the major types of philosophical thought and the central problems of philosophy (e.g. human nature, political philosophy, the nature of morality, philosophy of religion) as presented through classical and contemporary reading selections. IAI: H4 900.

**PHL 1002. Ethics. 3 hrs.**

This course examines moral principles and moral issues. The course focuses upon the nature and the ground of moral obligation. It introduces major ethical systems and tests those against selected contemporary moral problems. IAI: H4 904.

**PHL 1003. Philosophy of Religion. 3 hrs.**

A rational examination of the nature and content of religious belief through an examination of such issues as the relation of reason to faith, the existence and nature of God, religious experience, and the occurrence of evil. IAI: H4 905.

**PHL 1005. Logic. 3 hrs.**

A study of the methods and principles used to recognize, analyze, and evaluate arguments. The course focuses on recognizing and evaluating sources of knowledge, identifying sources of biased reasoning, learning formal and informal methods of evaluating arguments, analyzing language and imagery used in argumentation, and recognizing fallacies and biases in everyday reasoning. IAI: H4 906.

**PHL 1013. Comparative Religions. 3 hrs.**

This course examines and compares several of the major religious traditions around the world, with an emphasis on identifying historical connections, common themes and theoretical differences among them. May include treatments of the nature of religion, the relation of religion to culture, or problems arising from religious diversity. IAI: H5 904N.

# Photography

## Courses

### **PHO 2000. Introduction Photography. 3 hrs.**

An introduction to the principles and practices of black and white photography, this course teaches students the use of still cameras, film, composition techniques, developing skills, and printing methods. Students will supply their own cameras. Lecture, two hours per week; laboratory, two hours per week.

# Physics

## Courses

**PHY 1001. General Physics. 5 hrs.**

This course is for students in chemistry, engineering, and physics. This course includes forces, motion, work and energy, circular and harmonic motion. Lecture, four hours per week; lab, two hours per week. Prerequisite: Credit in MTH 2001. IAI: P2 900L.

**PHY 1200. Applied Physics I. 3 hrs.**

The topics covered include measurement, mechanics, including concepts of vectors, force, motion, work, energy, power, friction, simple machines, and torque. Lecture, two hours per week; lab, two hours per week. Prerequisite: Credit in MTH 1208 or the equivalent.

**PHY 1201. Applied Physics II. 3 hrs.**

Topics covered include gases, heat, harmonic motion and waves, sound, light and optics; atomic and nuclear physics. Lecture, two hours per week; lab, two hours per week.

**PHY 2001. General Physics. 4 hrs.**

This course is for students in chemistry, engineering, and physics. This course includes the concepts of temperature, heat, molecular properties of matter, concepts of waves and wave motion, vibrating bodies, electric fields, DC current and circuits. Lecture, two hours per week; seminar, one hour per week; lab, two hours per week. Prerequisite: PHY 1001 and credit or registration in MTH 2002.

**PHY 2002. General Physics. 4 hrs.**

This course is for students in chemistry, engineering, and physics. This course includes the concepts of magnetic field, A.C. current and circuits electromagnetic waves, light, optics, atomic and nuclear physics. Lecture, two hours per week; seminar, one hour per week; lab, two hours per week. Prerequisite: PHY 2001.

**PHY 2003. General Physics. 5 hrs.**

This course is for students in the Arts and Sciences. (Not for chemistry, engineering, or physics majors.) This course includes the basic concepts of force and motion, energy and momentum, properties of matter, heat and thermodynamics, wave motion, and sound. Lecture, three hours per week; seminar, one hour per week; lab, two hours per week. Prerequisite: MTH 1005 or equivalent. IAI: P1 900L.

**PHY 2004. General Physics. 5 hrs.**

This course is for students in the Arts and Sciences. (Not for chemistry, engineering, or physics majors.) This course includes the basic concepts of light and optics, electricity and magnetism, and atomic and nuclear physics. Lecture, three hours per week; seminar, one hour per week; lab, two hours per week. Prerequisite: PHY 2003.

# Physics (Theoretical and Applied)

## Courses

**TAM 2001. Theoretical & Applied Mechanics (Stat/ Dynam). 5 hrs.**  
This course employs a vector approach to statics and dynamics. The topics covered include resultants of force systems; algebraic and graphical methods of resolution; analysis of forces acting on members of trusses, frames, etc; friction, centroids, kinematics of particles and rigid bodies; moments of inertia; kinetics of particles and rigid bodies; solution of kinetics problems by methods work, energy impulse and momentum; mechanical vibrations. Prerequisite: Credit in PHY 1001 and registration in MTH 2003. IAI: EGR 944.

# Political Science

## Courses

**PSI 1000. American National Government. 3 hrs.**

This course will introduce students to the Constitution and the formal governmental institutions of the United States of America. Students will also learn about political parties, both modern and historical, lobbying and interest groups, civil liberties, and civil rights. This course will allow students to critically analyze our system of government and to thoughtfully address some of the major dilemmas that face American politics today. IAI: S5 900.

**PSI 1002. State and Local Government. 3 hrs.**

This course introduces the student to the study of state and local governments within the federal system. Students will study the U.S. and Illinois Constitutions, the powers of state and local governments, state executives, legislators, courts, police and corrections. Students will also study local governments, policy making, budgets, and social programs. IAI: S5 902.

**PSI 1003. Introduction To Global Studies. 3 hrs.**

This course introduces the student to the concepts of globalizations through the comparative study of global issues. Topics to be discussed in the course include: The changing nature of the international system, globalization, human rights, poverty, global health, the environment, and global conflict and terrorism. The course is required for students completing the Emphasis in Global Studies.

**PSI 2000. International Relations. 3 hrs.**

This course will introduce students to the international environment by looking at the challenges that face the world, and, consequently the United States, and the alternative approaches available to addressing those challenges. Students will learn about major organizations in the international arena, including the United Nations, the European Union, the World Trade Organization, the World Bank, and the International Monetary Fund. Students will also be examining such concepts as war and peace, foreign policy, security, conflict and conflict management, international law, terrorism, human rights, and trade. Current events in the international environment will also be discussed. IAI: S5 904N.

**PSI 2001. European Politics. 3 hrs.****PSI 2002. Economics and Politics. 3 hrs.**

# Psychology

## Courses

**PSY 000A. Psychology Elective. 0 hrs.**

**PSY 000B. Psychology Elective. 0 hrs.**

**PSY 000C. Psychology Elective. 0 hrs.**

**PSY 1000. General Psychology. 3 hrs.**

This is an introductory course dealing with analysis and description of human behavior with special reference to research methods, psychological influences on the brain and behavior, learning memory, perception, motivation, emotions, personality and adjustment. Emphasis is placed on psychological principles as they relate to daily life. IAI: S6 900.

**PSY 2000. Personality. 3 hrs.**

This course is designed to provide an introduction to the major personality theories in psychology. Included are the psychoanalytic/psychodynamic, humanistic, behavioral, cognitive trait and biological approaches. Considerable emphasis will be placed upon the integration of theory and research through the review and practical application of personality assessment techniques and research methodology. Prerequisite: PSY 1000.

**PSY 2001. Child Growth and Development. 3 hrs.**

This course reviews the biological foundations of conception, birth and language development. Physical, cognitive, psychosocial and emotional development and maturation are charted from conception to adolescence. The relationship between theory, research and practical application is emphasized. IAI: S6 903; ECE 912.

**PSY 2004. Social Psychology. 3 hrs.**

This course involves the scientific study of human behavior as influenced by other individuals. Emphasis is placed on research and theory regarding such social factors as communication, motivation, differential social and cultural factors in personality, social interaction, prejudice, gender issues, attraction, conformity, group processes. Prerequisite: PSY 1000 IAI: S8 900.

**PSY 2005. Human Sexuality. 3 hrs.**

This course is an introductory course dealing with basic psychological, biological and cultural aspects of human sexuality as they relate to daily life. Emphasis will be placed on psychological dimensions of sexuality to promote an increased personal understanding of sexual behavior. Prerequisite: PSY 1000.

**PSY 2006. Abnormal Psychology. 3 hrs.**

This course is designed to acquaint the student with the study of symptoms, causes, and treatments of various psychological disorders, and a variety of other classifications from DSM IV will be covered. Prerequisite: PSY 1000. IAI: PSY 905.

**PSY 2200. Human Relations in The World of Work. 3 hrs.**

This course is designed specifically for students in one or two-year occupational programs; this course focuses on applied psychology related to the world of work. Attention is given to motivation, job-related problems, interpersonal relations on the job and adjustment to typical stress situations. Attention is also given to the job selection and interview process. Instruction is directed toward the practical application of behavioral principles, and the recognition and incorporation of individual or cultural differences in the global workplace.



# Reading

## Courses

**RED 0001. Accuplacer Level 1 Reading. 0 hrs.**

**RED 0002. Accuplacer Level 2 Reading. 0 hrs.**

**RED 0003. Accuplacer Level 3 Reading. 0 hrs.**

**RED 0004. ACT Level 1 Reading. 0 hrs.**

**RED 0005. ACT Level 2 Reading. 0 hrs.**

**RED 0800. Basic Reading I. 3 hrs.**

This course is designed to help students build a foundation of basic word analysis, vocabulary, and reading skills. Students will be introduced to various study strategies to promote academic success. This review course will build on students' strengths and is recommended for students who need an intensive review of the basic reading skills necessary for successful comprehension. IVCC college credit is awarded, but no transferable college credit. The course is evaluated by a letter grading system; however, it is not calculated into the GPA. Students must earn 80 percent of the total points available to pass the course. Prerequisite: Appropriate score on the Accuplacer Reading Test.

**RED 0900. Basic Reading II. 3 hrs.**

This course is designed to enhance student knowledge of word analysis, vocabulary, and comprehension skills. It explores and practices critical reading and thinking. Students will be introduced to study and test-taking strategies that promote academic success. This course builds on students' strengths and is for those who need greater efficiency in the reading skills necessary for academic success. IVCC college credit is awarded, but no transferable college credit. The course is evaluated by a letter grading system; however, it is not calculated into the GPA. Students must complete the course with a "C" or higher to satisfy the requirement for Basic Reading II. Students must earn 80 percent of the total points available to pass the course. Prerequisite: Successful completion of Basic Reading I or appropriate score on the Accuplacer Reading Test.

**RED 0904. Reading Rate & Comprehension. 1 hr.**

Increasing the accuracy and understanding of text reading is the focus of this course. Practice in identifying main ideas, supporting details and organizational structure will be stressed along with critical reading and thinking skills. An opportunity will be given to increase reading rate. Instruction is presented via a number of learning modalities: books, computer programs, and videos. The pass/fail grade is not computed in graduation GPA. This open-entry, open-exit course is not awarded college credit. Students taking a lab course must go to Room B-201 the first week to schedule class times.

**RED 0905. Reading/Writing Technical Documents. 1 hr.**

This course has a twofold purpose: to receive instruction and practice in reading and in writing technical documents. Strategies for learning vocabulary associated with a technical field, reading charts and graphs and general reading comprehension will be emphasized as well as writing business letters, memos and reports. Direct application will be made to the student's technical textbooks. Instruction is presented via a number of learning modalities: books, computer programs, audio tapes and videos. This open-entry, open-exit course earns a pass/fail grade which is not computed in the graduation GPA.

**RED 0906. Spelling. 1 hr.**

The open-entry, open-exit individualized course is designed for the student who needs assistance in spelling. Topics include basic spelling rules, memory gimmicks, proofreading, and spelling tools. The specific needs of the student are determined through testing, referrals from instructors, and the student's instructional program. Sixteen hours of class attendance are required, and the pass/fail grade does not count in the student's GPA. Students taking a lab course must go to Room B-201 the first week to schedule class times.

**RED 0908. Compensatory Strategies. 1 hr.**

**RED 1008. Power Reading. 3 hrs.**

Power Reading develops college reading efficiency by strengthening inferential comprehension, vocabulary depth, and reading rate. Students will actively analyze a best-seller, explore, current issues, sharpen skills by reading selections from a variety of disciplines, and engage in roundtable discussions, PowerPoint presentations, written summaries, and computer research. This course is offered in the classroom format. IVCC and transferable college credit are awarded. Prerequisite: Appropriate score on the Accuplacer Reading Test, consent of the instructor, or successful completion of RED 0900 or the RED 0910, RED 0911 and RED 0912 series.

# Real Estate

## Courses

### **REA 1200. Real Estate Broker Pre-License I. 6 hrs.**

This course provides students with instruction in real estate fundamentals. Students are required to attend all sessions which include introduction to the license law and real property, basics of agency, seller and buyer relationships and counseling, local, state and federal laws, brokerage, property management, leases, independent contractor and employee status, financing, contracts and title records, transactions, etc. This course is appropriate and required for anyone interested in obtaining a broker license in Illinois. This course fulfills the education requirements for obtaining an Illinois Real Estate Broker license. Offered in partnership with the Illinois Realtors Licensing and Training Center and Illini Valley Association of Realtors. Please note: If you have any disabilities that require special accommodations, please identify those special needs.

### **REA 1201. Real Estate Broker Pre-Licensing II. 3 hrs.**

This course provides students with instruction in real estate fundamentals. Students are required to attend all sessions which include real estate contracts, title records and transfers, real estate financing principles and practices, closing transactions, commercial property, and interactive activities. This course is appropriate and required for anyone interested in obtaining a real estate broker license in Illinois. This course, along with REA 1200, fulfills the education requirements for obtaining an Illinois Real Estate Broker license.

### **REA 1202. Advanced Real Estate Principles. 1 hr.**

This course will cover listings, title search, completion of contract form, broker relationship, Illinois Real Estate License Act of 1983, and completion of applications for licenses. This course is graded on a pass/fail basis. A required course in the Real Estate brokerage sequence.

### **REA 1203. Real Estate Appraisal. 1 hr.**

Topics covered will include: real estate property value, appraisal process, economic trends, basic property value principles, depreciation and obsolescence, future life estimates, and market approach to value. This course is graded on a pass/fail basis. An elective course in the real estate brokerage sequence.

### **REA 1204. Property Management. 1 hr.**

This course will cover property modernization, rental and expense schedules, financial structure and budget, leases, property insurance, purchasing, commercial property, industrial property, project management, management control and advertising. This course will be graded on a pass/fail basis. An elective course in the real estate brokerage sequence.

### **REA 1205. Financing. 1 hr.**

This course will cover types of financing, sources of financing, mortgages, trust deed, mortgage notes, prior liens, foreclosure, insurance, and mortgage risk. This course will be graded on a pass/fail basis. An elective course in the real estate brokerage sequence.

### **REA 1206. Sales and Brokerage. 1 hr.**

This course will cover: qualifications of the broker, appraisal principles and methods, training and supervision of salespersons, types of sources of listings, and governmental regulations. This course will be graded on a pass/fail basis. An elective course in the real estate brokerage sequence.

### **REA 1207. Farm Management. 1 hr.**

This course will cover: inventorying the assets, methods of farm operation, budgeting cash flow, planning crop production, livestock production, and marketing. This course will be graded on a pass/fail basis. An elective course in the real estate brokerage sequence.

### **REA 1208. Illinois Property Insurance. 1 hr.**

This course will cover: the nature of functions of insurance, property insurance, dwelling coverage, homeowners' policy, burglary and theft insurance, private mortgage insurance. Commercial and industrial insurance. This course will be graded on a pass/fail basis. An elective course in the real estate brokerage sequence.

### **REA 1209. Refresh Crse for Licensed Reinstatement. 1 hr.**

This course will cover: review of Illinois Real Estate License Act of 1983 court decisions, broker-lawyer accord changes, contract law changes, transfer of title, and changes in taxes, liens, and enforcement. This course will be graded on a pass/fail basis. An elective course in the real estate brokerage sequence.

### **REA 1210. Brokerage Administration. 1 hr.**

This course is a required course in the brokerage prelicense education sequence (effective 01/01/2000). Topics covered include types, functions, and responsibilities of brokerage; escrow; accounting; and record-keeping; agency obligations; and real estate license law.

# Sociology

## Courses

**SOC 000A. Sociology Elective. 0 hrs.**

**SOC 000B. Sociology Elective. 0 hrs.**

**SOC 1000. Introduction To Sociology. 3 hrs.**

An introduction to basic sociological principles, concepts, and methods. Efforts will be made to develop an understanding of the social world, social organization and collective behavior. IAI: S7 900.

**SOC 1002. Marriage and Family. 3 hrs.**

An examination of the diverse systems of kinship and shifts in family structure and relations over time. The course also provides sociological analysis of intimate relationships focusing on a range of topics from cultural influences on mate selection to domestic violence. IAI: S7 902.

**SOC 2000. Social and Cultural Change. 3 hrs.**

**SOC 2001. Social Problems. 3 hrs.**

An investigation of contemporary and historical social problems within the United States and globally. Students will explore the ways different perspectives lead to different approaches in defining and addressing social problems. Societal problems ranging from prejudice to environmental degradation will be critically evaluated. Prerequisite: SOC 1000 IAI: S7 901.

# Spanish

## Courses

### SPN 1000. Conversational Spanish I. 3 hrs.

Introduction to the basics of the language, with emphasis on speaking and listening skills. A supplement to the SPN-1001-SPN-2002 language courses with additional practice in basic conversation. Can be taken prior to the regular language sequence(s) -- 1001 and following -- or concurrently with any other course (except 2003 Advanced Composition and Conversation). Can also be taken on its own merits for those with a personal interest for avocational purposes. Provides basic conversational patterns, idiomatic vocabulary, basic grammar and syntax, and general cultural patterns. IN THE MAJORITY OF INSTANCES, THIS COURSE WILL TRANSFER ONLY AS A GENERAL ELECTIVE FOR THE B.A. DEGREE OR FOR OTHER BACCALAUREATE DEGREES REQUIRING A WORLD LANGUAGE.

### SPN 1001. Elementary Spanish I. 4 hrs.

An elementary Spanish course designed to foster development of the four essential skills of language acquisition: comprehension of spoken Spanish, reading comprehension, speaking and writing. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners to develop projects, write journals and participate in discussions.

### SPN 1002. Elementary Spanish II. 4 hrs.

A continuation of SPN-1001 designed to foster development of the four essential skills of language acquisition: comprehension of spoken Spanish, reading comprehension, speaking and writing. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners to develop projects, write journals and participate in discussions. Prerequisite: SPN 1001, two years of high school Spanish, or permission of instructor.

### SPN 1010. Conversational Spanish for Professionals. 3 hrs.

This course provides an expansion of conversational patterns, vocabulary, review of basic grammar and syntax, and exploration of Spanish culture. IN THE MAJORITY OF INSTANCES, THIS COURSE WILL TRANSFER ONLY AS A GENERAL ELECTIVE FOR THE B.A. DEGREE OR FOR OTHER BACCALAUREATE DEGREES REQUIRING A WORLD LANGUAGE. Prerequisite: None (previous exposure to Spanish language helpful).

### SPN 1020. Conversational Spanish Profess - Mod 1. 1 hr.

SPN 1020 is the first module of three modules making up a two-semester conversational Spanish program for professionals. This module offers a concise introduction to Spanish grammar and vocabulary for students whose personal and/or professional goals include a working knowledge of Spanish. It presents fundamental grammar structures in conjunction with high-frequency vocabulary, including greetings, farewells, cardinal numbers, and the metric system. Students apply these learnings in a practical context for specific purposes such as (1) business finance, (2) law enforcement, (3) social services, (4) medical field, or (5) teaching.

### SPN 1030. Conversational Spanish Profess - Mod 2. 1 hr.

SPN 1030 is the second module of three making up two-semester conversational Spanish program for Professionals. This module offers a concise introduction to Spanish grammar and vocabulary for students whose personal and/or professional goals include a working knowledge of Spanish. Demonstrative adjectives and pronouns and direct and indirect object pronouns are stressed. In correlated realistic dialogues and situational exercises, students apply these structure to practical contexts and develop vocabulary and conversational skills for the specific career field in which they are employed.

### SPN 1040. Conversational Spanish Profess - Mod 3. 1 hr.

SPN 1040 is the third module of three making up a two-semester conversational Spanish program for Professionals. This module offers a concise introduction to Spanish grammar and vocabulary for students whose personal and/or professional goals include a working knowledge of Spanish. Emphasis is placed on the translation of memos, cultural notes and business correspondence. In correlated realistic dialogues and situational exercises, students apply these structures to practical contexts and develop vocabulary and conversational skills for the specific career field in which they are employed.

### SPN 1200. Conversational Spanish for Med Personnel. 3 hrs.

Introduction to the basics of the Spanish language with emphasis on business and professional communication. Presentation of basic grammar, syntax and conversational patterns. Provides realistic dialogues and situational exercises about cases that medical personnel encounter in the course of their work. Students are required to work with partners in role playing situations and vocabulary drills. Short readings, covering business and professional topics are followed by brief conversations and a question-answer exercise. SPN 1200 is designed and recommended for all medical personnel with a desire to communicate with Spanish-speaking patients.

### SPN 1300. Special Topics in Command Spanish. 0.5 hrs.

This course utilizes techniques that teach students specific occupational language in a limited time period. This program uses a highly effective phonetic encoding system to allow immediate control of Spanish pronunciation. Students learn commands and statements that allow them to conduct one-way communication. In addition, students learn two types of control questions (yes/no response and screen questions) which are designed to control potential responses and render them comprehensible.

### SPN 2001. Intermediate Spanish I. 4 hrs.

An intermediate Spanish course designed to foster development of the four essential skills of language acquisition: comprehension of spoken Spanish, reading comprehension, speaking and writing, and an awareness of cultural and literary contributions from the 21 Spanish speaking societies. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners to develop projects, write journals and participate in discussions. Prerequisite: SPN 1001 or SPN 1002, two years of high school Spanish or permission of the instructor.

### SPN 2002. Intermediate Spanish II. 4 hrs.

A continuation of SPN-2001 designed to foster development of the four essential skills of language acquisition: comprehension of spoken Spanish, reading comprehension, speaking and writing, and an awareness of cultural and literary contributions from the 21 Spanish speaking societies. The student will develop, review and expand skills acquired through assigned study and will collaborate with other learners to develop projects, write journals and participate in discussions. Prerequisite: SPN 2001, two years of high school Spanish or equivalent or permission of instructor. IAI: H1 900.

### SPN 2003. Composition and Grammar. 3 hrs.

An advanced level composition and conversation course based upon a cultural approach. Grammar is reviewed extensively. Advanced selections from Hispanic literature will be read and analyzed. Prerequisite: SPN 2002 or three years of high school Spanish or consent of instructor.

### SPN 2004. Survey of Spanish Literature. 3 hrs.

An advanced level composition and conversation course based upon a survey of historical Hispanic literature. Grammar is reviewed extensively. Advanced selections from Hispanic literature will be read and analyzed. The course titles include both SPN-2004 and HFA-1007 Special Topic so that two semesters - each with a different topic can be taken for 3 semester credit hours per course, or a total of 6 semester hours. Fall semester covers Iberian Spanish Literature and spring semester covers Latin American Literature. Prerequisite: SPN 2002, three years of high school Spanish or consent of instructor.

### SPN 2005. Survey of Spanish-American Literature. 3 hrs.

# Speech

## Courses

**SPH 000A. Speech Elective. 0 hrs.**

**SPH 1001. Fundamentals of Speech. 3 hrs.**

A course in the fundamentals of speech presentation in audience situations with emphasis upon the development of effective research organization, delivery and listening. Lecture, three hours per week. IAI: C2 900.

**SPH 1002. Discussion & Debate. 3 hrs.**

The course considers the study of speech in relation to contemporary life in the areas of public address, discussion and debate. Lecture, three hours per week. Prerequisite: SPH 1001, debate squad member or permission of instructor.

**SPH 1003. Intercultural Communication. 3 hrs.**

This course examines how culture influences the communication process including values, beliefs, norms, linguistic and nonverbal differences between cultures, cultural bias, ethnocentrism, globalization, and cultural adjustment. Theories of intercultural communication and the practical approaches to communicating more effectively with persons from other cultures will be explored. Lecture: Three hours per week.

**SPH 1204. Oral Communication Skills for Business, Industry & Technology. 3 hrs.**

This course focuses on the recognition and practical application of speaking, listening and observing skills for the world of work. Designed for students in business, technical, and vocational programs, the course stresses team building, critical thinking and problem solving.

# Strategies for College

## Courses

### **SFC 1000. Strategies for College. 2 hrs.**

In Strategies for College, students learn strategies to assist them in taking charge of their life. The course allows students through journal writing, reading and group activities to investigate strategies and options that will lead to success in college and in life. An investigation of study skills, IVCC support services, and careers is included.

### **SFC 2000. Sophomore Capstone Class. 2 hrs.**

This course offers students the opportunity to showcase the knowledge and skills they have acquired and developed during the pursuit of their Associate's Degree. The students work together to design individual projects that represent and demonstrate the culmination of their learning experiences at Illinois Valley Community College.



# Student Development

## Courses

### **SDT 1000. Development of Human Potential. 2 hrs.**

#### **SDT 1201. Career Exploration. 1 hr.**

This course is designed to teach each student how to systematically approach the task of exploring the world of work. Students will be taught how to make use of resource materials. They will be taught how to differentiate between useful resources and unuseful resources. Students will also be taught how to incorporate their own values in deciding which occupational grouping to further pursue. Examination of identified strengths as they apply to job skills will be discussed.

#### **SDT 1202. Career Decision Making. 1 hr.**

The material in this class is designed to teach students how to make career decisions based upon the individual student's values and strengths. The student will be taught how to use a decision making matrix and will be taught how the matrix can be used in making career decisions. Students will be taught how to take their personalized values and incorporate them into career decision making.

#### **SDT 1203. Job Seeking Skills. 1 hr.**

The unit is designed to help the student acquire the necessary skills and strategies essential to obtain a job; and the essentials for adjustment to the occupation and for upward and lateral mobility within the occupation. Lecture, 1 hour.

#### **SDT 1210. Cooperative Wk Study- Walt Disney World. 8 hrs.**

The Disney Cooperative Work Study requires 600 hours of on-the-job experience on site at Walt Disney World and in the Walt Disney World College program. This directed work experience is designed to expand a student's knowledge of successful organizational practices and build transferable knowledge and skills for future employment beyond the college experience.

# Study Skills

## Courses

**SSK 0001. Community Tutoring. 0 hrs.**

**SSK 0904. College Study Skills. 3 hrs.**

This course is designed to give new and returning college students an opportunity to learn about and practice important study skills needed for college success. Topics covered include strategic reading, note taking, memory and test-taking strategies, critical thinking, learning styles, time-management and organization, career awareness, and college knowledge (an introduction to services, supports, policies, and procedures at IVCC). There will be an emphasis on the application of these skills to content areas. SSK 0904 is strongly recommended for students who place into two developmental courses.

# Theater

## Courses

**THE 1005. Theatre Play Production. 3 hrs.**

The study and production of a major play, revue, and/or readers' theatre. All areas of production related to acting, technical work, business, and public relations will be dealt with as areas of specific assignments. The class meeting times will be arranged with the instructor for rehearsal and for independent work assignments. This course may be taken twice for credit.

**THE 1006. Acting. 3 hrs.**

A first year course in basic skills in the art of acting in interpretation of roles. Lecture, three hours per week. IAI: TA 914.

**THE 2001. Oral Interpretation. 3 hrs.**

Intensive study of literary selections involving critical reading and interpretation of oral readings to audiences. Lecture, three hours per week.

**THE 2002. Introduction To Theatre. 3 hrs.**

A study of the origins and the development of theatre arts from primitive man to contemporary theatre movements. Representative examples of theatre from each period will be studied through readings and/or performances. The application of critical elements to a production will be used as a basis for the course. The course deals primarily with western world theatre with a brief presentation of theatre from the Middle and Far East. IAI: F1 908.

**THE 2005. Theatre Play Production. 3 hrs.**

A continuation of THE 1005. Lecture, one hour per week; laboratory, five hours per week. This course may be taken twice for credit.

# Therapeutic Massage

## Courses

### THM 1200. Introduction To Therapeutic Massage. 1.5 hr.

This course will serve as an introduction to the basic principles and techniques of therapeutic massage. Students will learn the basic Swedish Massage techniques and how to apply them to the back, arms and legs. Students will disrobe and practice on each other during each of the six classes. Basic anatomy and physiology of the major muscle groups, basic bones, benefits and contradictions of massage, professional ethics and body mechanics are taught. Students will also learn about self-care practices. Prerequisite: Students must be 18 years old or a high school graduate.

### THM 1202. Musculoskeletal System. 5 hrs.

This course is a continuation and expansion of BIO 1200, The Human Body Structure and Function. It focuses on the musculoskeletal system, its structure, function, kinesiology, physiology, and palpation, as it relates to massage therapy. Heavy emphasis is placed on human bones and their development, muscle origin, insertion, action, anatomical landmarks and other components of the musculoskeletal system, such as: tendons, joints, ligaments and peripheral nerves. Identification of anatomical structures to visualization, palpation and examination is practiced. Prerequisite: THM 1200, BIO 1200, SFC 1000 and ALH 1001.

### THM 1204. Therapeutic Massage Techniques I. 5 hrs.

This course serves as the beginning and foundation of three core massage courses in the Therapeutic Massage Certificate Program. Students learn holistic self-care techniques, the history of Swedish Massage, the benefits and contraindications of massage, and infection control and safety practices. Swedish Massage techniques with variations are taught, demonstrated and developed into a sequence for a full-body therapeutic massage for healthy adults including appropriate and safe body mechanics for the student. Use and care of equipment and supplies are instructed and demonstrated. Client assessment, interview, and documentation is introduced. Additionally, all students are certified in seated-chair massage. Prerequisite: THM 1200, ALH 1001, SFC 1000, and BIO 1200.

### THM 1206. The Human Body. 5 hrs.

The Human Body is an investigation into and study of the structural and functional relationships and homeostasis of body systems. The course incorporates the system approach and integration of the systems into one functioning unit - the human body. Laboratory procedures, basic chemistry, the cell, cell division, and development are incorporated into this course. A cadaver study is an integral part of the course. Prerequisite: THM 1200 or graduate massage therapist.

### THM 1208. Professional Development & Ethics. 2 hrs.

This course is designed to introduce therapeutic massage students to issues and implications of professional development and ethics within the profession of therapeutic massage. The course addresses massage from a historical perspective moving into contemporary professional concerns and practice management. It also includes basic ethical terminology, principles, and dilemmas; client/therapist interactions; boundaries; human sexuality issues in massage, developing therapeutic relationships and basic therapeutic communication skills. Prerequisite: THM 1200, ALH 1001, SFC 1000 and BIO 1200.

### THM 1212. Pathology for Massage Therapy. 3 hrs.

Pathology for the massage therapist investigates the nature and causes of disease, the changes of the body's structure and function as a result of disease and the conditions produced by the disease. Students will learn the effects of specific massage techniques on specific disease conditions. They will discuss disease pathologies with the goal of being able to make informed decisions about the safety and applicability of various massage techniques. Students will sharpen their critical thinking skills in order to independently find information and identify variables that contribute to informed decisions in order to practice massage safely.

### THM 1214. Therapeutic Massage Techniques II. 5 hrs.

This course is designed to build upon and expand basic Swedish Massage principles and techniques learned in THM 1204. In this class students continue to study and experience holistic self-care and a variety of integrative modalities, many of which may be learned and incorporated into their basic therapeutic massage session. Psychology for body workers, myofascial release and neuromuscular therapy, energy modalities, reflexology, lymphatic massage, aromatherapy, craniosacral therapy, hot stone therapy and hydro/thermal therapy are the major modalities included in the course. Students also study and experience Yoga and T'ai Chi, for self-care, centering, and body mechanics. Prerequisite: THM 1202, THM 1204 and THM 1208.

### THM 1218. Therapeutic Massage Clinical. 2 hrs.

In the therapeutic massage clinical setting, massage students have the opportunity to apply the principles, techniques and procedures practiced and learned in the classroom and lab to members of the community. Under the direction of the clinical supervisor, students are expected to review client intake information to determine possible contraindications, demonstrate proper ethics, client/therapist communication skills, proper draping techniques, and safety and sanitary precautions; and perform a full-body massage utilizing basic Swedish Massage techniques, properly documenting the session for the client's records. Students massage two to three clients consecutively. Students also attend a weekly seminar. Prerequisite: THM 1200, THM 1204, and THM 1206.

### THM 1222. Therapeutic Massage Capstone Seminar. 2 hrs.

In this capstone seminar, massage students will prepare to practice as confident, professional, licensed massage therapists. They will demonstrate expertise in therapeutic massage by completing comprehensive clinical case studies. They will demonstrate professional along with critical thinking as they research, develop and implement a plan of care for their clients/ case studies. Students will demonstrate professional legal and ethical standards within their scope of practice while they examine other disciplines' scope of practice. They will identify professional employment practices. Additionally, students will identify and initiate various practices to promote self-care and to educate clients in self-care practices. Students will also review for and prepare to take the national exam for state licensure. Prerequisite: THM 1212, THM 1214 and THM 1218.

### THM 1224. Therapeutic Massage Techniques III. 5 hrs.

THM 1224 continues to build on skills and modalities learned in THM 1204 and THM 1214. Students will learn new and adaptive massage techniques and experience a variety of environments and populations as they move into the community to work with other healthcare professionals and to massage special populations. Considerations are given to infants, children and perinatal massage; sports and fitness massage; medical massage for rehabilitation, chronic disease and terminal illness; also massage for geriatric clients, physically and emotionally challenged adults and children; business and industry; and for the spa industry. Students will also continue their exploration of self-care practices. Prerequisite: THM 1212, THM 1214 and THM 1218.

### THM 1226. Therapeutic Massage Bus. Pract. & Ethics. 3 hrs.

In this course the student explores various aspects of developing and maintaining a successful therapeutic massage practice including self-analysis and self-care. Students will develop a portfolio and explore the components of a business plan. Students will discuss the components of a bookkeeping system, develop and manage client records, explore various marketing practices, as well as examine and discuss the importance of the professional relationship of the client and the therapist. Additionally, students will discuss and debate the legal and ethical issues and best practices of a therapeutic massage practice. Prerequisite: THM 1212.

### THM 1228. Therapeutic Massage Clinical. 2 hrs.

This course continues the learning experiences of THM 1218, Therapeutic Massage Clinical I, requiring the massage student to engage more deeply in critical thinking, safety, assessment, and documentation as well as understanding the scope of practice and roles of their health care disciplines. In the student clinical setting, therapeutic massage students have the opportunity to apply the massage principles, techniques and procedures in a professional therapeutic massage environment to members of the community. Under the direction of the clinic supervisor, students are expected to demonstrate proper ethics, client/therapist communication skills, proper draping techniques, sanitary precautions, perform a full-body massage based on client needs and properly document the session in the client's record. Students will also be expected to massage three clients consecutively, to demonstrate professional behavior, and to attend a weekly seminar. Prerequisite: THM 1212, THM 1214 and THM 1218.

**THM 2204. Clinical Massage I: Upper & Lower Body. 6 hrs.**

This course is designed to instruct students in functional assessment and therapeutic intervention with massage of the upper and lower human body in relation to musculoskeletal conditions. Students will learn to identify and address client problems and injuries. Discussion of the massage therapy scope of practice and its relationship to other allied health professions is instructed. Understanding methods of professional communication with other healthcare professionals clients, exploring holistic self-care practices, and developing a systematic evaluation and documentation scheme is also covered. Students will expand their practical learning experiences into various community health care agencies, as well as completing an internship. Prerequisite: Licensed Massage Therapist and a graduate of an approved school of massage therapy; or a Licensed Massage Therapist and consent of the instructor.

**THM 2214. Clinical Massage II:Chronic Health Conditions. 6 hrs.**

This course is designed to instruct students in advanced assessment and therapeutic intervention techniques for chronic health problems and disease. Therapeutic massage for specific chronic conditions such as cancer/hospice, fibromyalgia, myofascial pain, lymphedema, cardiovascular disease, GI problems, diabetes, and headaches is instructed. Students continue to explore their personal holistic well-being and learn to apply this knowledge and these concepts to their identified client's needs. Students also learn principles of client/family education; pharmacology, and continue to expand their knowledge of assessment of pathology of chronic conditions and care plan development. They will also continue their practical learning experiences in various community health care facilities as well as completing an internship. Prerequisite: LMT and a graduate of an approved school of massage therapy; or LMT and consent of the program coordinator.

# Truck Driver Training

## Courses

### **TDT 1201. Truck Driving Training I. 3 hrs.**

This course is the classroom presentation portion of the truck driver training program. The course is designed for people with no commercial driving experience. This course will provide the student with a basic orientation on commercial driver's license requirements. This course will concentrate on the rules, regulations, and other requirements necessary to prepare students for passing the written portion of the CDL examination. Prerequisite: At least 18 years old, show that driving privileges are not suspended, revoked, canceled or disqualified, meet the medical requirement of the Federal Motor Carrier Safety Regulation or prove exempt status of not being subject to the regulations. Lecture, 3 hours.

### **TDT 1202. Truck Driver Training II. 7 hrs.**

This course is the driving or behind-the-wheel portion of the truck driver training program. The student will be expected to demonstrate the proper preparation, handling, safety, and driving skills necessary to pass the Commercial Driver's License (CDL) examination. The activities included in this course will involve both on-the-lot driving as well as over-the-road driving on city streets and highways. Prerequisite: At least 18 years old, show that driving privileges are not suspended, revoked, canceled or disqualified, meet the medical requirement of the Federal Motor Carrier Safety Regulation or prove exempt status of not being subject to the regulations. Lecture, 7 hours.

### **TDT 1204. Tractor Trailer Backing. 1 hr.**

This course is the presentation of the truck driver yard and safe backing program and is designed for people that will be backing trailers to a loading dock or confined areas. This course will provide the student with a basic orientation on maneuvering equipment with an emphasis on backing, in confined spaces such as docks. Safe backing techniques and employer expectations will prepare students for employment in the trucking and warehousing industries.

### **TDT 2210. Equipment Refresher Training. 6 hrs.**

CDL-Basic Operating Practices, CDL-Safe Driving Practices, and CDL Advanced Operating Practices are all reviewed in this course. This course will include hands-on, over-the-road driving of equipment and review class "A" commercial driver's license requirements. The course will review general knowledge and safe driving practices while operating a commercial vehicle. Detailed knowledge of advanced operating practices will also be reviewed in order to drive a commercial vehicle. This training will include information on federal/state rules and regulations. Prerequisite: At least 18 years old, show a current Illinois Driver's License with no outstanding or unpaid violations anywhere in the United States, meet the medical requirements of the Federal Motor Carrier Safety Regulations or prove exempt status of not being subject to the regulations, meet the employment standards of the trucking industry; hold a current commercial driver's license (CDL). Lab, 12 hours.

### **TDT 2275. Truck Driver Permit Testing. 4 hrs.**

This course is the classroom presentation of the truck driver training program and is designed for people that need to renew their existing commercial driver's license. This course will provide the student with a basic orientation on commercial driver's license requirements, and, will concentrate on the rules, regulations and other requirements necessary to prepare students for the written portion of the CDL examination. Prerequisite: At least 18 years old, hold a current Illinois Driver's License with no outstanding or unpaid violations anywhere in the United States, produce the CDL when requested, meet the medical requirements of the Federal Motor Carrier Safety Regulations or prove exempt status of not being subject to the regulations, and meet the employment standards of the trucking industry. Lecture, 4 hours.



# Warehousing

## Courses

**WHS 1200. Basic Forklift Operation. 1 hr.**

This course is designed to ensure that all forklift operators, regardless of their degree of experience, have uniform understanding of the safe and efficient operation of forklifts and compliance with the safety rules and OSHA regulations at their worksite. Students will learn safe driving skills while gaining concise knowledge of how a forklift works. Safety will be stressed as means of reducing accidents and injuries in the workplace. Lecture, .5 hour; lab, 1 hour.

**WHS 1201. Warehousing Fundamentals. 4 hrs.**

Students will gain an understanding of warehousing fundamentals and the role warehousing plays in the logistical supply chain and in a global economy. Material will cover information essential to warehouse supervisors and management personnel. Lecture, 3 hours; lab, 2 hours.

**WHS 1202. Introduction To Warehousing. 1 hr.**

This course is designed to give students an understanding of warehousing fundamentals and the role warehousing plays in the logistical supply chain and in a global economy. Material will cover information essential to warehouse supervisors and management personnel. Lecture, 1 hour.

**WHS 1210. Working in Warehousing Environment. 1.5 hr.**

This course provides learners with an overview of the functional and structural composition of warehousing and distribution centers. Topics include product flow, warehousing processes, working safely in a warehousing environment, principles in running a business, workplace ethics, and how employees affect the bottom line. Lecture, 1.5 hours.

**WHS 1220. Warehousing & Workforce Skills. 1.5 hr.**

This course provides training in the workplace practices that contribute to success on the job. Units include effective communication, working together, positive image, and interview skills. Lecture, 1.5 hours.

**WHS 1230. Warehousing Technology Skills. 2 hrs.**

This course covers the use of scanners and data applications along with the understanding of industrial controls and computer automation. Units in this course include scanners and data entry, warehouse data applications, problem solving, introduction to industrial controls, and introduction to computers and automation. Lecture, 2 hours.

**WHS 1240. Representative Warehousing Skills. 2.5 hrs.**

This course discusses mathematical concepts used in warehousing and distribution. It also focuses on powered material handling equipment and safety requirements. Warehousing simulations provide a structured opportunity to practice using hands on simulations of the concepts gained during the program. Lecture, 2.5 hours.

**WHS 1250. Warehousing & Distribution Process. 2.5 hrs.**

This course provides learners with the knowledge and core skills associated with warehousing and distribution. Units in this course include warehousing and distribution, warehousing productivity measures, methods of inventory management, protecting materials and merchandise, palletizing, handling systems, and processing hazardous materials. Lecture, 2.5 hours.

# Welding

## WED Courses

**WED 1200. Introduction To Welding. 1 hr.**

**WED 2200. Welding Blueprint Reading. 3 hrs.**

This course includes the understanding of basic drafting procedures. Views include isometric, oblique drawings; and multi-view engineering drawings. Sketching will be included and the symbols of welding will be emphasized as they apply to a set of drawings delivered from the engineering department of the welding fabrication shop, or the construction site, or the field site. Lecture, 2 hours; lab, 2 hours.

## WLD Courses

**WLD 1200. Stick, Plate, Flat Arc Welding. 2 hrs.**

Theory and practice in the preparation and welding of flat position steel plate joints using the E-6010 and E-7018 electrodes. Safety, electrode selection, polarity, current selection, inspection and testing are included. Lecture, 1 hour; lab, 2 hours.

**WLD 1201. Stick, Plate, Horizontal Arc Welding. 2 hrs.**

Theory and practice in the preparation and welding of horizontal position steel plate joints using the E-6010 and E-7018 electrodes. Safety, joint preparation and A.W.S. welding procedures will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1200.

**WLD 1202. Stick, Plate, Vertical-up Arc Welding. 2 hrs.**

The theory and practice in the preparation and welding of vertical up position steel plate joints using the E-6010 and E-7018 electrodes. Safety, joint preparation, weave techniques and A.W.S. welding procedures will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1201 or concurrent enrollment or consent of instructor.

**WLD 1203. Stick, Plate, Vertical-down Arc Welding. 2 hrs.**

The theory and practice in the preparation and welding of vertical down position and steel plate joints using E-6010 and E-7018 electrodes. Safety joint preparation, weave techniques and A.W.S. welding procedures are stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1201 or concurrent enrollment or consent of instructor.

**WLD 1204. Stick, Plate, Overhead Arc Welding. 2 hrs.**

The theory and practice in the preparation and welding of overhead position steel plate joints using the E-6010 and E-7018 electrodes. Safety, joint preparation, weave techniques, stringer techniques, and A.W.S. welding procedures are stressed. Lecture 1 hour; lab, 2 hours. Prerequisite: WLD 1202 or WLD 1203 or concurrent enrollment or consent of instructor.

**WLD 1205. Plate, TIG, Flat. 2 hrs.**

This course includes the theory of and practice in the preparation and welding of flat position, steel plate joints using Gas Tungsten Arc Welding. In this course, Tungsten-inert gas welding fundamentals is emphasized which includes stressing key points involving the processes of safety, equipment set-up, travel direction, filler rod and welding techniques. A.W.S. testing procedures will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 2206 or consent of instructor.

**WLD 1206. Plate, TIG, Horizontal. 2 hrs.**

This course includes the theory of and practice in the preparation and welding of horizontal position, steel plate joints using Gas Tungsten Arc Welding. In this course, Tungsten-inert gas welding fundamentals are emphasized which includes stressing key points involving the processes of safety, equipment set-up, travel direction, filler rod and welding techniques. A.W.S. testing procedures will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1205 or consent of instructor.

**WLD 1207. Plate, TIG, Vertical. 2 hrs.**

This course includes the theory of and practice in the preparation and welding of vertical position, steel plate joints using Gas Tungsten Arc Welding. In this course, Tungsten - inert gas welding fundamentals are emphasized which includes stressing key points involving the processes of safety, equipment set-up, travel direction, filler rod and welding techniques. A.W.S. testing procedures will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1206 or consent of instructor.

**WLD 1208. Plate, TIG, Overhead. 2 hrs.**

This course includes the theory of and practice in preparation and welding in the overhead position, steel plate joints using Gas Tungsten Arc Welding. In this course, Tungsten - inert gas welding fundamentals are emphasized which includes stressing key points involving the processes of safety, equipment set-up, travel direction, filler rod and welding techniques. A.W.S. testing procedures will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1207 or consent of instructor.

**WLD 1209. MIG(wire) Flat Plate Arc Welding. 2 hrs.**

The theory and practice in the preparation of welding of flat position steel plate using solid core wire. Safety equipment set-up, travel direction, gun angle, weave and stringer techniques will be stressed. A.W.S. testing procedure will be stressed. Lecture, 1 hour; lab, 2 hours.

**WLD 1210. GMAW (MIG) Mild Steel. 2 hrs.**

In this course, the theory and practice in the preparation and welding of mild steel plate, in all positions, using the Gas metal Arc Welding (MIG) process are explored. Safety, equipment components, nozzle set-up, travel direction, torch angles weave and stringer techniques will be stressed. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI / AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours.

**WLD 1211. GMAW (MIG) Stainless Steel. 2 hrs.**

In this course, the theory and practice in the preparation and welding of stainless steel plate, in all positions, using the Gas metal Arc Welding (MIG) process are explored. Safety, equipment components, torch set-up, travel direction, torch and filler rod angles, weave and stringer techniques will be stressed. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI/AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1210.

**WLD 1212. GMAW (MIG) Non Ferrous Alloys. 2 hrs.**

In this course, the theory and practice in the preparation and welding of non ferrous (aluminum) plate, in all positions, using the Gas metal Arc Welding (MIG) process are explored. Safety, equipment components, torch set-up, travel direction, torch and filler rod angles, weave and stringer techniques will be stressed. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests will be given according to AWS criteria. A.W.S. testing procedures will be performed and completed according to ANSI/AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1211 or consent of instructor.

**WLD 1213. GMAW Pipe, All Positions. 2 hrs.**

In this course, common pipe joints are prepared and welded in accordance with AWS and ASME standards used in industry and construction. Position welds are accomplished in the 2G, 5G, and 6G position with the Gas Metal Arc Welding process. The appropriate pipe tests will be given and AWS testing procedures will be performed and completed to ANSI/AWS testing criteria. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1212 or consent of instructor.

**WLD 1220. GTAW (TIG) Mild Steel. 2 hrs.**

In this course, the theory and practice in the preparation and welding of mild steel plate, in all positions, using the Gas Tungsten Arc Welding process are explored. Safety, equipment components, torch set-up, travel direction, torch and filler rod angles, weave and stringer techniques will be stressed. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI / AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours.

**WLD 1221. GTAW (TIG) Stainless Steel. 2 hrs.**

In this course, the theory and practice in the preparation and welding of stainless steel plate, in all positions, using the Gas Tungsten Arc Welding process are explored. Safety, equipment components, torch set-up, travel direction, torch and filler rod angles, weave and stringer techniques will be stressed. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI / AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours.

**WLD 1222. GTAW (TIG) Non Ferrous Alloys. 2 hrs.**

In this course, the theory and practice in the preparation and welding of non ferrous (aluminum) plate, in all positions, using the Gas Tungsten Arc Welding process are explored. Safety, equipment components, torch set-up, travel direction, torch and filler rod angles, weave and stringer techniques will be stressed. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI / AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours.

**WLD 1230. Dual Shield & Metal Core. 2 hrs.**

In this course, the theory and practice in the preparation and welding of mild steel plate, in all positions, using the Dual Shield and Metal Core processes are explored. Safety, equipment components, nozzle set-up, travel direction, torch angles, weave and stringer techniques will be stressed. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI/AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours.

**WLD 2200. MIG(Wire) Horizontal Plate Arc Welding. 2 hrs.**

The theory and practice in the preparation and welding of horizontal position steel plate using solid core wire. Safety, equipment set-up, travel direction, gun angle, and A.W.S. procedures will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1209 or concurrent enrollment or consent of instructor.

**WLD 2201. MIG(Wire) Vertical Plate Arc Welding. 2 hrs.**

The theory and practice in the preparation and welding of vertical position steel plate using solid core wire. Safety, equipment set-up, and A.W.S. procedures will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 2200 or concurrent enrollment or consent of instructor.

**WLD 2202. MIG(wire) Overhead Plate Arc Welding. 2 hrs.**

In this course, theory and practice in the preparation and welding of Overhead position steel plate using solid wire will be explored. An emphasis will be placed on comfortable positioning prior to welding. A welding process designed for the welding of ferrous materials utilizing small diameter consumable electrode wire continuously fed into an electric arc. Safety, equipment set-up, gun angle, travel direction, weave and stringer techniques will be stressed. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 2201 or concurrent enrollment or consent of instructor.

**WLD 2203. Pipe Stick 2G Position. 2 hrs.**

In this course, Common pipe joints are prepared and welded in accordance with AWS and ASME standards used in industry and construction. Position welds are accomplished in the position with the E-6010 and E-7018 electrodes. The appropriate pipe test will be given and AWS testing procedures will be performed and completed according to ANSI/AWS testing criteria. Lecture, 1 hour; lab, 2 hours.

**WLD 2204. Pipe, TIG. 2 hrs.**

**WLD 2206. Gas Welding & Brazing, Flat & Horizontal. 2 hrs.**  
This course includes the theory, safety, and operation of oxyacetylene welding and cutting equipment. The student will learn to produce quality welds and to braze joints in the flat and horizontal positions on steel plate. Lecture, 1 hour; lab, 2 hours.

**WLD 2207. Oaw Vertical Up, Overhead & Steel Pipe. 2 hrs.**

This course includes the theory, safety and operation of oxyacetylene welding equipment in the production of vertical up, overhead, and steel pipe welds. Common plate and pipe joints are prepared and welded in accordance with AWS and ASME standards used in industry and construction. Position welds are accomplished in the vertical up and all pipe positions. The appropriate plate and pipe tests will be given according to AWS criteria. Lecture, 1 hour; lab, 2 hours.

**WLD 2208. Cutting Torch & Plasma Arc Cutting. 2 hrs.**

This course includes the theory, safety, and correct operation of the oxyacetylene cutting equipment and the plasma arc cutting machine. The student will learn to make quality cuts safely and effectively with this equipment. Straight cuts and all angle cuts will be demonstrated and performed for the students to master all the proper techniques that will help in the welding workplace. Lecture, 1 hour; lab, 2 hours.

**WLD 2209. Fabrication. 2 hrs.**

In this course, theory and practice in the Fabrication and Welding of actual parts that are prepared by the student, will be explored. Students will have the opportunity to develop better welding skills through the fabrication, fit-up and welding procedures that will be practiced. Skills on several Fabricating machines (Shear, Ironworker, Horizontal Band Saw, etc.) will be safely mastered. Lecture, 1 hour; lab, 2 hours. Prerequisite: Minimum two lower-level welding courses or instructor approval.

**WLD 2210. MIG Special Topics. 2 hrs.**

In this course, the theory and practice in the preparation and welding of mild steel, stainless steel, and non ferrous metals, in all positions, using the Gas metal Arc Welding (MIG) process are explored. Safety, equipment components, nozzle set-up, travel direction, torch angles, weave and stringer techniques will be stressed. Emphasis on perfecting basic skills learned in WLD 1210, 1211, and 1212 and working on repairing broken parts that must be salvaged. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI/AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours. Prerequisite: Minimum of 120 clock hours of GMAW or concurrent enrollment or consent of instructor.

**WLD 2211. OAW Special Topics. 2 hrs.**

This course includes the theory, safety and operation of oxyacetylene welding equipment in the production of all position welds on plate, pipe, and working on repairing parts that must be salvaged. Emphasis on perfecting basic skills learned in WLD 2206, 2207, and 2208. Common plate and pipe joints are prepared and welded in accordance with AWS and ASME standards used in industry and construction. Position welds are accomplished in the vertical up and all pipe positions. The appropriate plate and pipe tests will be given according to AWS criteria. Lecture, 1 hour; lab, 2 hours. Prerequisite: Minimum of 120 clock hours of OAW (oxyacetylene welding and cutting) or concurrent enrollment or consent of instructor.

**WLD 2213. Pipe, Stick, 5G Position. 2 hrs.**

In this course, common pipe joints are prepared and welded in accordance with AWS and ASME standards used in industry and construction. Position welds are accomplished in the 5G position with E-6010 and E-7018 electrodes. The appropriate pipe test will be given and AWS testing procedures will be performed and completed according to ANSI/AWS testing criteria. Lecture, 1 hour; lab, 2 hours.

**WLD 2220. TIG Special Topics. 2 hrs.**

In this course, the theory and practice in the preparation and welding of mild steel, stainless steel, and non ferrous metals, in all positions, using the Gas Tungsten Arc Welding process are explored. Safety, equipment components, torch set-up, travel direction, torch and filler rod angles, weave and stringer techniques will be stressed. Emphasis on perfecting basic skills learned in WLD 1220, 1221, and 1222 and working on parts that must be salvaged. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI/AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours. Prerequisite: Minimum of 120 clock hours of GTAW or concurrent enrollment or consent of instructor.

**WLD 2223. Pipe, Stick, 6G Position. 2 hrs.**

In this course, common pipe joints are prepared and welded in accordance with AWS and ASME standards used in industry and construction. Position welds are accomplished in the 6G position with E-6010 and E-7018 electrodes. The appropriate pipe test will be given and AWS testing procedures will be performed and completed according to ANSI/AWS testing criteria. Lecture, 1 hour; lab, 2 hours.

**WLD 2230. FCAW Mild Steel. 2 hrs.**

In this course, the theory and practice in the preparation and welding of mild steel plate, in all positions, using the FLux Cored Arc Welding (FCAW) process are explored. Safety, equipment components, nozzle set-up travel direction, torch angles weave and stringer techniques will be stressed. Joints are prepared and welded in accordance with AWS standards used in industry and construction. All position welds are accomplished on the appropriate plate and tests will be given according to AWS criteria. AWS testing procedures will be performed and completed according to ANSI/AWS D1.1 Structural Steel Welding Code. Lecture, 1 hour; lab, 2 hours. Prerequisite: WLD 1210 or concurrent enrollment or consent of instructor.



**WLD 2233. Pipe-stick Tig-root All Positions. 2 hrs.**

In this course, common pipe joints are prepared welded in accordance with AWS and ASME standards used in industry and construction. Position welds are accomplished in all pipe positions using the TIG root process and E-7018 electrodes for final weld out. The appropriate pipe test will be given and AWS testing procedures will be performed and completed according to ANSI/ AWS testing criteria. Lecture, 1 hour; lab, 2 hours. Prerequisites: WLD 2223 and WLD 1220.

**WLD 2250. Welding Internship. 3 hrs.**

In this course, individual students will be responsible for contacting a local industry to secure an internship within their welding department. This will give students the opportunity to apply the knowledge and training obtained in the preceding welding and fabrication courses that they have taken. Students must complete 225 hours of on-the-job experience. Prerequisite: Consent of Welding Program Coordinator.

**WLT Courses****WLT 1202. AWS Testing Stick Plate Vertical-up Arc Welding. 2 hrs.**

In this course, theory and practice in the preparation and welding of Vertical-up position steel plate joints, using the E-6010 and E-7018 electrodes will be explored. Safety, joint preparation and American Welding Society, (from hereon known as AWS), welding procedures will be stressed. The student will practice and prepare for the AWS Certification Test in the vertical-up position. Lecture, one hour a week; Lab, two hours a week.

**WLT 1204. AWS Testing: Stick Plate Overhead Arc Welding. 2 hrs.**

In this course, theory and practice in the preparation and welding of Overhead position steel plate joints, using the E-6010 and E-7018 electrodes will be explored. Safety, joint preparation and American Welding Society, (from hereon known as AWS), welding procedures will be stressed. The student will practice and prepare for the AWS Certification Test in the Overhead position. Lecture, one hour a week; Lab, two hours a week. Prerequisite: WLD 1202.

**WLT 1209. AWS Testing: MIG (Wire) Flat Plate Arc Welding. 2 hrs.**

In this course, theory and practice in the preparation and welding of flat position steel plate using solid core wire will be explored. A welding process designed for the welding of ferrous materials utilizing small diameter consumable electrode wire continuously fed into an electric arc. Safety, equipment set-up, travel direction, gun angle, weave and stringer techniques will be stressed. The student will practice and prepare for the AWS Certification Test in the flat position. Lecture, one hour a week; Lab, two hours a week. Prerequisite: None. WLD 1200 is highly recommended.

**WLT 1230. AWS Testing: Dual Shield & Metal Core. 2 hrs.**

In this course, theory and practice in the preparation and welding of all position mild steel plate joints, using Dual Shield and Metal Core will be explored. Safety, equipment components, nozzle set-up, travel direction, torch angles, weave and stringer techniques will be taught. Joints that are prepared and welded in accordance with the American Welding Society (from hereon know as AWS), standards used in industry and construction will be stressed. All position welds are accomplished on the appropriate plate and practice tests will be given according to AWS criteria. The student will practice and prepare for the AWS Certification Test in the Flat position. Lecture, one hour a week; Lab, two hours a week.

**WLT 2200. AWS Testing: MIG (Wire) Horizontal Plate Arc Welding. 2 hrs.**

In this course, theory and practice in the preparation and welding of horizontal position steel plate using solid core wire will be explored. A welding process designed for the welding of ferrous materials utilizing small diameter consumable electrode wire continuously fed into an electric arc. Safety, equipment set-up, travel direction, gun angle, weave and stringer techniques will be stressed. The student will practice and prepare for the AWS Certification Test in the horizontal position. Lecture, one hour a week; Lab, two hours a week.

**WLT 2203. AWS Testing: Pipe Stick 2G Position. 2 hrs.**

In this course, theory and practice on common pipe joints, using the E-6010 and E-7018 electrodes, will be prepared and welded in accordance with the American Welding Society (from hereon known as AWS) and the American Society of Mechanical Engineers (from hereon known as ASME). Safety, joint preparation and Standard Welding Procedures will be stressed. The student will practice and prepare for the AWS Certification Test in the 2G position according to testing criteria. Lecture, one hour a week; Lab, two hours a week. Prerequisite: WLD 1204.

**WLT 2215. AWS Testing: Special Topics. 2 hrs.**

In this course, students will study theory and practice of the preparation and welding of mild steel, stainless steel, or non-ferrous metals, in appropriate positions or on common pipe joints, using a welding process selected by the student and program coordinator. Students will prepare and weld in accordance with the American Welding Society (AWS) and the American Society of Mechanical Engineers (ASME). Safety, joint preparation, and standard welding procedures to meet certification standards will be stressed. All position welds are accomplished on the appropriate plate/pipe and tests will be given according to the AWS criteria. The student will practice, prepare, and test for the AWS Certification Test in the selected process and position according to AWS testing criteria. A course fee will be assigned depending on material costs. Lecture, one hour a week; Lab, two hours a week. Prerequisite: Consent of instructor.

**WLT 2223. AWS Testing: Pipe Stick 6G Position. 2 hrs.**

In this course, theory and practice on common pipe joints, using the E-6010 and E-7018 electrodes, will be prepared and welded in accordance with the American Welding Society (from hereon known as AWS) and the American Society of Mechanical Engineers (from hereon known as ASME). Safety, joint preparation and Standard Welding Procedures will be stressed. The student will practice and prepare for the AWS Certification Test in the 6G position according to testing criteria. Lecture, one hour a week; Lab, two hours a week.

**WLT 2233. AWS Testing: Pipe Stick TIG Root All Positions. 2 hrs.**

In this course, theory and practice on common pipe joints, using the Tig Root process and E-7018 electrodes, will be prepared and welded in accordance with the American Welding Society (from hereon known as AWS) and the American Society of Mechanical Engineers (from hereon known as ASME). Safety, joint preparation and Standard Welding Procedures will be stressed. The student will practice and prepare for the AWS Certification Test in the Tig Root 6G position according to testing criteria. Lecture, one hour a week; Lab, two hours a week.

# Wind Energy

## Courses

**WND 1200. Wind Energy Concepts. 3 hrs.**

This course is the first course in the wind energy program. Topics include the history, economics, operation and terminology of the wind turbine. This class also introduces students to the wind energy trainers and has a lab component. Lecture, 2 hours; lab, 2 hours.

**WND 1210. OSHA & Wind Turbine Safety. 2 hrs.**

This course covers the basic safety practices for the Wind Turbine industry with a focus on OSHA regulations and standards and is appropriate for any industrial Electro-mechanical system. This course also covers Personnel Protective Equipment (PPE). Prerequisite: Pass physical from a medical professional before attempting the climb component. Lecture, 1.5 hours; lab, 1 hour.

**WND 2200. Wind Turbine Control, Operation & Maintenance. 4 hrs.**

This course covers the relationships between mechanics, electronics, and wind energy to operate, control, and maintain a wind turbine. Major lab time will be devoted to troubleshooting and field testing techniques. Lecture, 2 hours; lab, 4 hours. Prerequisite: WND 1200 and WND 1210.

**WND 2222. Wind Energy Tech Internship. 3 hrs.**

This course is the final course for the Basic Wind Energy Tech Certificate. The student must work 225 hours at an approved site and complete weekly reports as well as a final written report. Prerequisite: WND 2200 and Instructor Consent.

## Course Information

### COURSE NUMBERING SYSTEM

All courses are made up of a four digit number

1. The first digit indicates freshman or sophomore level (1 or 2). A first digit of zero (0) signifies a remedial-developmental review of basic skill courses. First digit of 0 courses are not applicable toward a degree or certificate nor are counted towards honors designations.

2. The second digit identifies the curriculum area the course is assigned to:

0 = Baccalaureate (AA, AS and AES transfer degrees)

1 = Continuing Education (not applicable to degrees/certificates)

2 = Career/occupationally oriented (applies to AAS career degrees and Certificates)

9 = General studies (these courses do not generate credit that may be applied to any degree or certificate)

#### IAI Code:

The IVCC/IAI explanation found at the end of some course descriptions means that the course has been approved as meeting a specific general education core requirement for transfer and has been assigned a statewide IAI code.

EXAMPLE: ART 1000 Art Survey - "Fulfills an IVCC/IAI General Education/Fine Arts requirement with the IAI Code number of F2 901."

### UNDERSTANDING CREDIT HOURS

College credit hours are earned by students when they spend hours learning a skill or a specific body of knowledge. At IVCC, credit hours are assigned to each course when it is developed. One credit hour is equal to one 50 minute class "hour" per week for a lecture course over a sixteen week semester. The number of credit hours assigned to a course and required for student attendance are equated, based on the length and method(s) of the course. Credit hour equivalents vary for different kinds of methods (lecture, lab, field experience, etc.). All courses, including assigned credit hours, are approved by the Illinois Community College Board.

### GRADING SYSTEM

A = Excellent--4 grade points per each semester hour

B = Good--3 grade points

C = Average--2 grade points

D = Passing, Below Average--1 grade point

F = Failing--0 grade point

P = Passing--credit earned only, not computed in grade point average

I = Incomplete--temporary grade assigned when a small portion of the class remains

to be completed. Assigned for extenuating circumstances. Must eventually be replaced by a letter grade (A through F above).

W = Withdrawn--not computed in the grade point average

### COMPUTING YOUR GRADE POINT AVERAGE

The formula for computing the GPA is:

Total grade points earned ÷ total hours attempted = GPA

Example: Student attempts 9 semester hours (three courses) and earns grades of A, B, D respectively.

24 grade points (12 for 3 semester hours of A, 9 for 3 hours of B and 3 for 3 hours of D) ÷ 9 total semester hours attempted = 2.666 GPA

A GPA of 2.0 and above is considered Good Academic Standing

## Classification of Students

### Freshman

A student who has completed fewer than 30 semester hours of college credit will be given freshman status.

### Sophomore

A student who has completed a minimum of 30 semester hours of credit will be given sophomore status.

Grade	Description
A	Excellent - 4 grade points per semester hour
B	Good - 3 grade points per semester hour
C	Average - 2 grade points per semester hour
D	Lowest passing grade - 1 grade point per semester hour
F	Failure - 0 grade points per semester hour
P	Passing - not included in computing grade point average
W	Withdrawn - not included in computing grade point average
INC	Incomplete - not included in computing grade point average

### Credit Hours

College credit hours are earned by students when they spend hours learning a skill or a specific body of knowledge. At IVCC, credit hours are assigned to each course when it is developed. One credit hour is equal to one 50 minute class "hour" per week for a lecture course over a sixteen week semester. The number of credit hours assigned to a course and required for student attendance are equated, based on the length and method(s) of the course. Credit hour equivalents vary for different types of methods (lecture, lab, field experience, etc.) All courses, including assigned credit hours, are approved by the Illinois Community College Board.

### Student Honors

The academic honors recognized at IVCC include the following:

#### President's Honors

It is the policy of the Board of Trustees of Illinois Valley Community College that the "President's Honors" will include students earning a term grade point average of 3.75 to 4.00 in 12 or more semester hours. The 12 completed college-level semester hours exclude non-credit courses, courses taken for audit, and developmental courses. President's Honors will be awarded in the fall and spring semesters.

#### Academic Honors

It is the policy of the Board of Trustees of Illinois Valley Community College that "Academic Honors" will include students earning a term grade point average of 3.25 or above in 6 or more completed college-level hours. The 6 completed college-level semester hours exclude non-credit courses, courses taken for audit, and developmental courses. Academic Honors will be awarded in the fall and spring semesters.

**Note: Students will receive the higher of the two applicable honors.**



## Annual Academic Awards Program

Students will receive a special certificate at the spring Awards Banquet for having achieved full-time honors status for two or three consecutive semesters.

## Thomas J. McCormack Scholars

Students earning a minimum grade point average of 3.75 in 14 or more college-level semester hours each of the first three semesters will be designated as Thomas J. McCormack Scholars at the Annual Academic Honors Banquet held in the spring. Dr. McCormack was principal of LaSalle-Peru Township High School from 1903-1932 and was the first director of L-P-O Junior College, which was housed at the high school for many years.

## Pass/Fail Grade

Students enrolling in certain designated courses may elect a pass/fail option. Students electing this option must declare their intent at the time of registration. No more than 12 semester hours earned in pass/fail courses are applicable to a degree and no more than three semester hours earned are applicable toward a certificate offered by the college.

## Grade of "Incomplete"

"Incomplete" is a temporary grade assigned when illness, unavoidable absence, or other reasons satisfactory to the instructor prevent completion of the course requirements by the end of the semester. A grade of "INC" must be removed as designated by the instructor, but not later than the last class day of the semester following the issuance of the incomplete, excluding Summer semester.

If the incomplete is not made up within the allotted time, the grade for the course is changed to an F, or failing grade. Questions about incompletes should be directed to the Office of Admissions and Records.

Veterans must make up incomplete grades promptly to insure continued receipt of G.I. Bill benefits. Questions about the impact on veteran benefits should be directed to the Financial Aid Office.

## Auditing a Class

Many courses at Illinois Valley Community College may be audited. An auditor is a participating listener in a course and is not required to take tests or submit reports unless the course is required for admission and/or progress in a program. A student auditing a class receives no grade or credit on a transcript. Registration for audit classes will be accepted beginning the week the class is scheduled to begin, provided space is available in the class.

Audit students pay the regular tuition and fee rates. A student may not change class registration from audit to credit or from credit to audit once the semester begins.

Further information about which courses may be audited and procedures for registering may be obtained from the Counseling Center or Deans Offices.

## Attendance/Student Progress

### Withdrawal from Classes

**Rationale:** The purpose of the withdrawal option is to allow students to make responsible decisions regarding their academic status and their ability to complete an individual course. This responsibility is similar, and thus preparatory, to students' experiences in universities and the workforce. It is understood that for them to make informed decisions regarding their academic careers, students must have the appropriate information regarding their status. It is the instructor's responsibility, therefore, to provide students with some form of assessment of their academic status prior to the last official withdrawal date.

- All withdrawals earn a grade of "W," which does not affect the GPA but deletes the course credit(s) for the involved course(s).
- No refund is given for withdrawals.

## Procedure for Student Withdrawal

1. Students have until the end of the twelfth week of a regular 16-week semester course (or an equivalent length of time in courses of different lengths) to request a withdrawal.
2. Students who wish to withdraw from a course can withdraw in person in the Office of Admissions and Records or online through WebAdvisor.
3. In person withdrawals will require a photo ID and the withdrawal to be signed by the student. No instructor or dean signature will be needed. The yellow copy of the withdrawal will be forwarded to the instructor upon processing of the withdrawal.
4. Online withdrawals will require full course information provided, as well as the Student ID number to serve as the student's signature. An electronic copy of the withdrawal will be forwarded to the instructor upon processing of the withdrawal.
5. Faculty will still have the same options to withdraw students. Instructors may initiate the withdrawal process if the student fails to comply with the attendance requirements as outlined in the course syllabus.
6. There may be situations in which a withdrawal is not allowed or is rescinded due to academic integrity issues. In these cases, the faculty member will have the ability to rescind the withdrawal with the approval of the dean and the student will be notified by mail.
7. Leave of Absence - Students who need to request a complete withdrawal (withdrawal from all courses) may do so using WebAdvisor or by submitting a Withdrawal Form to the Records Office. Students who receive financial aid are strongly encouraged to contact the Financial Aid Office to determine what effect it may have on their current and future financial aid eligibility.

## Academic Standings and Academic Probation

The scholastic requirements of the college are detailed below. To remain in "good standing," a student must achieve the minimum cumulative grade point average (GPA). Only students who have earned a cumulative GPA of 2.0 (C) or better will be recommended for transfer to other colleges and universities.

All students will be subject to the same scholastic requirements.

**Academic probation or dismissal standards will not apply until a student has attempted a total of at least twelve (12) semester hours of credit. Developmental course credit is eligible to be counted toward this total.**

There are three levels of probation for students with poor academic performance. A student is placed on *Academic Caution* after the first semester of poor academic performance. After the second consecutive semester of poor performance, the student is placed on *Academic Warning* and, after the third semester, *Academic Probation*. Students placed on any level of probation are required to meet with a counselor to discuss their status and options for academic success.

## Graduation

### Associate Degree Completion

To qualify for any of the associate degrees conferred by the college, students must complete requirements of their degree and the following requirements which apply to all associate degrees:

1. Successful completion of a minimum of 64 semester hours of credit.
2. Of the minimum of 64 semester hours of credit required for the Associate in Arts, Associate in Science, and Associate in Engineering Science degrees, 60 semester hours must be earned in courses having a second digit of "0." (Example: ENG 1001 has a second digit of "0" whereas ENG 1205 has a second digit of "2"). Any course number below 1000 does not generate credit toward a degree.
3. Completion at Illinois Valley Community College of at least 16 semester hours required for graduation. When online courses are

incorporated into the student's educational plan, those courses offered through and taught by IVCC faculty will apply to the 16 semester hour requirement.

- Successful completion of all required courses for the Associate Degree desired and required minimum cumulative grade point average of 2.0. For the Associate in Arts (AA), Associate in Science (AS), and Associate in Engineering Science (AES) degrees, a minimum grade of "C" in English 1001, 1002 and Speech 1001 are required for graduation.
- File an intent to graduate. Intent to graduate forms must be filed during or prior to the semester in which graduation requirements will be fulfilled. The deadlines for filing the intent to graduate are as follows:

Date	Event
July 1	Summer Graduation (August)
October 1	Fall Graduation (December)
February 15	Spring Graduation (May)

Students in all associate degrees or certificates with continuous enrollment may use the catalog in use at the time of enrollment or any subsequent catalog. Students who are not enrolled for two consecutive semesters, excluding summer, must complete the requirements of the current catalog in use at the time of re-enrollment.

Students that are not currently enrolled in the term that they have applied to graduate may use the catalog in use at the time of enrollment if all requirements have been met. If all required courses are not completed, the student must complete the requirements of the current catalog in use at the time of re-enrollment.

## Certificate Completion

To qualify for a certificate, students must complete requirements which apply to each specific certificate.

- Successful completion of all required courses for the certificate desired and required minimum grade point average of 2.0.
- Completion at Illinois Valley Community College of at least 25% of the coursework required for graduation.
- File an intent to graduate. Intent to graduate forms must be filed during or prior to the semester in which graduation requirements will be fulfilled. The deadlines for filing the intent to graduate are as follows:

Date	Event
July 1	Summer Graduation (August)
October 1	Fall Graduation (December)
February 15	Spring Graduation (May)

## Cap and Gown Measurement

Cap and gown measurement information will be sent in February of each year for students who file an Application for Graduation inviting them to participate in the annual spring (May) commencement ceremony. Cap and gown measurement is held on a determined date on the Main Campus, allowing the opportunity for students to submit measurements for their graduation cap and gown. In addition to May graduates, August and December graduates are also invited to participate in the commencement ceremony as well. No fee is charged for the graduation cap and gown.

If you are within two (2) classes of graduation and plan to complete these classes during the upcoming summer semester, you can participate in the Commencement ceremony in May prior to the completion of your summer classes. You would simply need to fill out the graduation application, indicate summer graduation, and return completed form to the Counseling Center by [February 15](#).

## Graduation Honors

### F. W. Matthiessen Award

This award is presented during commencement to the student who has not only attained the highest grades but who has also distinguished himself/herself in service to the college and to the local community. This distinguished award is given to commemorate the civic leadership, community service and philanthropic spirit of

Frederick Matthiessen, one of the area's most prominent industrialists and philanthropists.

## Honors at Graduation

Honors at commencement will be as follows:

### Cum Laude

GPA of 3.25 to 3.74

### Magna Cum Laude

GPA of 3.75 and above

### Summa Cum Laude -

Highest rank in scholarship above 3.75

### Certificate Honors

GPA of 3.25 and above

## Academic Forgiveness Options

### Grade Exclusion Policy\*

It is the policy of the Board of Trustees of Illinois Valley Community College that students will be provided an opportunity to achieve objectives without the demotivating effects of previously earned failing grades. To be eligible for consideration, a student must meet the following criteria:

- The student could not have attended any post-secondary educational institution for two consecutive semesters. (Summer sessions are not counted as semesters for this policy, but three consecutive academic quarters are considered the equivalent of two semesters.)
- Upon returning to IVCC after the two consecutive semester out-of-school period, the student must complete a minimum of 12 semester hours with a grade point average of 2.0 or better.
- Upon satisfying criterion (B), the student must apply to the Admissions & Credentials Analyst for implementation of the grade exclusion policy. Only Failing ("F" or "WF") grades will be excluded from computation of the cumulative grade point average. If the student wishes to repeat some courses in which failing grades were received, the student may utilize the college repeat policy for those courses. Students planning to transfer to another institution are cautioned that the receiving college may use all grades earned in repeated or excluded courses for computation of grade point average for admission or other purposes.

## Repeating a Class

Students may repeat any course, regardless of the grade previously received (including "withdrawal"). However, credit will only be granted once except as noted in the "Course Descriptions" section of the catalog. Only the highest grade earned for any repeated course will be calculated into the grade point average. Students should be aware that, for transfer purposes, other schools may not calculate grade point average in this manner.

## Proficiency Examinations

Credit for proficiency examinations may be granted for full college credit for all students currently accepted to Illinois Valley Community College. Proficiency examinations may be offered in the form of a course written examination, combination of written and performance examination, and/or documentation of prior learning through the use of a portfolio. The division in which the course is taught will place on file timelines and standards that must be attained to pass the examination. Approval to take an examination must be granted by the appropriate Dean. Credit offerings are at the discretion of each division and a list of the offerings and procedures are available in the Counseling Center and Division Offices. The current courses for which one may receive proficiency credit include but are not limited to:

	Credit Hours
CSP 1201 Basic Computer Skills for The Workplace	1
CSP 1202 Microsoft Office Professional I	3
CSP 1230 Computer Keyboarding Applications	2

CSO 1102	Microsoft Windows	2
CSN 1105	Using Internet and The World Wide Web	3
BIO 1001	General Biology I	4
BIO 1007	Anatomy & Physiology I	4
BIO 1200	Human Body Structure & Function	3
BIO 1008	Anatomy & Physiology II	4

## Fee

A \$15.00 non-refundable fee is payable at the time the student makes application for a proficiency examination for each course.

## Credit

Students passing the examination are granted college credit upon payment of the course tuition. In lieu of a grade, a P (Pass) is posted on the student's college transcript. No official record is made of not passing a proficiency examination. The student's grade point average is not affected in either case. A maximum of 12 hours of credit can be earned through CLEP, Advanced Placement, military or other proficiency credit.

## College Level Examination (CLEP)

The College Level Examination Program (CLEP) is a national testing service that provides students an opportunity to demonstrate college-level learning from experiences outside the classroom. Where appropriate, CLEP subject exams may be used to meet general education requirements. General exams will be equated to elective credit.

Through CLEP, a person can demonstrate knowledge that is awarded with academic credit. On-the-job experience, military training, personal reading, correspondence courses or telecourses are some of the sources that can prepare an individual to earn college credit. Transferability of CLEP credit is subject to the policies of the transfer school. All CLEP examinations are in addition to, not a replacement of, other forms of proficiency examinations, including departmental proficiency examinations. No grades are assigned for credit received through CLEP.

The College Level Examination Program includes two types of examinations. The CLEP General Examinations cover the areas of English composition, humanities, mathematics, natural sciences and social sciences and history. The General Examinations are intended to cover learning usually included within the general education requirements in a college program. The CLEP Subject Examinations test the knowledge or skills achieved by students completing specific freshman-sophomore level courses. Credit earned through CLEP tests cannot duplicate credit earned or attempted in college course work. Credit awarded for CLEP General or Subject Exam will be recorded as P (Pass) and earned semester hours of credit.

Information about CLEP General and Subject Exams, scores required for IVCC credit, transfer of credit, registration, cost, and testing location at IVCC are available in the Assessment Center, Admissions Office, and Counseling Center. Information is also available at [www.ivcc.edu/assessment](http://www.ivcc.edu/assessment).

## Advanced Placement (AP Credit)

Students may be awarded credit for the College Board's Educational Testing Services Advanced Placement Examinations when they correspond to equivalent IVCC courses. For other criteria in awarding Advanced Placement credit, students are to contact the Admissions Office or the Counseling Center. Credit awarded in this manner will be added to the semester credit hours earned, but not to the semester hours attempted or grade point average. The criteria for awarding credit are based on the recommendation of the consortium of colleges and universities that belong to the Illinois Articulation Initiative. Information on this group can be accessed through the following Web address: [www.itransfer.org](http://www.itransfer.org) (<http://www.itransfer.org>). Students may be awarded credit for scores of 3, 4 and 5. Students transferring are urged to contact the college/university they plan to attend to see how test scores will be evaluated. If additional credit would be awarded, please contact the Admissions Office to determine if you are entitled to additional credit from IVCC.

## Transfer Credit

(From other Regionally Accredited Colleges)

1. Have transcript of credit earned at other colleges sent directly to IVCC Admissions Office - Official Transcripts Only.
2. Complete a Request for Evaluation of Transcript form indicating the degree or certificate you are seeking. Credit to be accepted at IVCC must have at least a "D" grade. A "D" course may need to be repeated in certain IVCC programs.
3. GPA (Grade Point Average) will not be transferred or computed into IVCC GPA unless credits equal 50% or more of the credits on an IVCC degree or certificate.
4. A maximum of 12 credit hours with grades of "P" (Pass) can be transferred in.
5. A maximum of 48 hours of credit can be transferred in for a degree. For a certificate-seeking student, a maximum of 75% of the total amount of credit hours required for the certificate can be transferred in. If a student has earned credit through another means (Advanced Placement, CLEP, Proficiency, or military), the total of all these types of credit may not exceed the maximum amounts listed above.

## Military Service Contract

Veterans: Options open to veterans in evaluating prior military experiences:

1. Up to four hours of physical education elective credit (HPE 0000) and two hours of HPE 1003 Personal and Community Health will be awarded if honorably discharged and with more than 12 months of active military service. A DD-214 is required by the Office of Admissions and Records, in order for credit to be granted. Reservists may also receive the same credit upon presenting their DD 2384-1 (NOBE) form.
2. Elective credit may be granted based upon American Council of Education's "Guide to the Evaluation of Education Experiences in the Armed Forces."
3. A maximum of 12 credit hours with grades of "P" (Pass) can be transferred in.

## REGISTRATION PROCEDURE

### Guidelines

- Registration is required prior to the first class meeting.
- Late registration is NOT permitted.
- Once the first class meeting has occurred, registration for the class will not be allowed.
- Registration for ONLINE courses will NOT be permitted once the start date of the online course has passed.
- Schedule adjustments or "switching classes" after the class has met the first time is NOT allowable in most instances.
- Payment for your classes must be made by the payment deadline specified at the time of your registration
- All students receiving some form of FINANCIAL AID including LOANS, SCHOLARSHIPS, and TUITION WAIVERS must contact the CASHIER department. Failure to do so may result in the cancellation of your class schedule.

## Registration and Payment Tips

- Plan ahead and register for classes on time.
- Schedule an appointment to meet with a counselor EARLY in the semester to have your schedule of classes ready for registration.
- Pay for your classes before the payment deadline. If classes are dropped from your schedule due to non-payment after the classes have started, you will NOT be able to re-register and retrieve your schedule.
- Be aware of payment deadlines.

## FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They

include the right to inspect and review the student's education records within 45 days of the day the College receives a request for access.

The student should submit to the Director of Admissions and Records or other appropriate official, written requests that identify the record(s) they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.



## Degree and Transfer Requirements

### Transfer Programs

#### Associate of Arts and Associate of Science

Associate of Arts and Associate of Science: IVCC offers a wide variety of courses specifically designed for transfer. For most college majors this enables students to complete their first two years of coursework leading toward a bachelor's degree in virtually any field of study at a four-year college or university. It is important for successful transfer to start planning immediately where you want to transfer and what baccalaureate degree you plan to complete. Counselors at the college are available to assist students in planning their program of study and their selection of coursework. Students who plan to complete an associate's degree and transfer as a junior in their major should achieve the following goals:

1. **Complete the Associate in Arts (A.A.) or Associate of Science (A.S.) degree.** The general education requirements for these degrees are on the following pages.
2. **Fulfill the lower level (freshman/sophomore) general education and major requirement of the institution you plan to attend.** The AA/AS degrees typically meet the lower level general education requirements, but your college major will determine what general education courses you should complete. **Transfer guides** in the catalog list general education requirements and major course requirements for the college/universities where the majority of students transfer. For more detailed information on college major requirements students should see a counselor, obtain a transfer major guidesheet from the Counseling Center, or go to the following Web site: <http://www.ivcc.edu/transferservices>. Another way to meet lower level general education requirements for most Illinois colleges/ universities is to complete the General Education Core Course requirements that are part of the Illinois Articulation Initiative (IAI). This IAI is described in this section.
3. **When you are ready for transfer**, obtain a Request for Transcript form from the Admissions/Records Office. A transcript should be sent at the time of application and each semester of attendance before matriculation to your college/university.

#### Associate in Arts

Students seeking this degree typically plan to major in liberal arts disciplines such as art, criminal justice, education, English, foreign language, geography, history, law, music, philosophy, physical education, political science, psychology, sociology, social work, speech communication, and theatre.

##### Program Outcomes for the Associate of Arts Degree Program

With the goal of preparing students to continue their education at a four-year institution, faculty will ensure that students who have earned an Associate in Arts degree demonstrate competence in the following:

Students will make effective decisions to solve problems and achieve goals utilizing critical and creative thinking, information literacy, and quantitative reasoning.

With ethical intent and practice, students will effectively compose, convey, and interpret messages through oral, written, and other means while taking into consideration the perspectives of the intended audience.

Students will demonstrate how aesthetics shape our human experience, reveal the interconnectedness of knowledge and perception, and enhance the importance of liberal arts as essential components of culture.

Students will openly explore and understand the knowledge, customs, and behaviors of diverse cultures within local, regional, and global communities.

#### Associate in Science

Students seeking this degree typically plan to major in a science related discipline such as biology, chemistry, computer science, dentistry, engineering, geology, mathematics, medicine, clinical laboratory science, nursing, pharmacy, occupational and physical

therapy, physics, and veterinary medicine. It is also for transfer business majors such as accounting, business administration, finance, human resources, marketing, and management.

##### Program Outcomes for the Associate of Science Degree Program

With the goal of preparing students to continue their education at a four-year institution, faculty will ensure that students who have earned an Associate in Science degree demonstrate competence in the following:

Students will make effective decisions to solve problems and achieve goals utilizing critical and creative thinking, information literacy, and quantitative reasoning.

With ethical intent and practice, students will effectively compose, convey, and interpret messages through oral, written, and other means while taking into consideration the perspectives of the intended audience.

Students will be able to apply scientific methodology to solve problems by forming hypotheses, developing and evaluating experiments, and interpreting and analyzing scientific data that provide a better understanding of natural systems.

Students will openly explore and understand the knowledge, customs, and behaviors of diverse cultures within local, regional, and global communities.

#### Associate in Engineering Science

Students seeking this degree plan to major in one of the many majors in Engineering.

#### Associate in General Studies

The Associate in General Studies (A.G.S.) is an individualized degree that meets the needs and interests of the student. The degree allows for the combination of both transfer and career courses. While not intended to be a transfer degree, the A.G.S. degree recognizes completion of two years of college. The requirements of the degree are listed later in this catalog, plus all associate degree graduation requirements must be met.

#### Associate of Arts in Teaching

The Associate of Arts in Teaching in Early Childhood Education is designed to provide students with a program equivalent of the first two years of most four-year college teacher education programs in early childhood education.

#### For Students Interested in Pursuing a Four-Year Degree

It is recommended that students planning to transfer follow the requirements of one of the following:

- The Illinois Articulation Initiative (IAI)
- The Associate in Arts (A.A.)
- The Associate in Science (A.S.)
- The Associate in Engineering Science (A.E.S.)

These degrees and the IAI are to meet general education requirements for a four-year degree. On the following pages are descriptions and requirements of the IAI and transfer degrees.

#### How important is it to complete the Associate Degree before transfer?

We encourage most students enrolled in an A.A., A.S. or A.E.S. degree program to complete the degree before transferring.

## Why? There are advantages to you!

1. The agreement with most four-year colleges in Illinois allows all lower level general education classes to transfer if they follow the agreed-upon transfer guidelines.
2. You can begin as a full-fledged junior.\* Students who earn an associate degree prior to transferring are more likely to be successful at the university.
3. Some universities accept degree benefits by allowing students to transfer university credits back to IVCC to complete their associate degree requirements.
4. The more course work you complete prior to transfer, the less your baccalaureate degree will cost.

\* Community colleges have agreements with most state universities; students who complete the degrees of A.A., A.S. or A.E.S. will transfer their credit and typically enter the university with full junior standing.

## Transfer Degree Requirements

**NOTE:** While these degrees can be completed in two years, many students opt to take longer. If you are working full-time or need more developmental course work, for example, you should plan to complete your degree in more than two years.

Associate in Arts and Associate in Science will satisfy lower division general education requirements for Illinois colleges and universities participating in the Illinois Articulation Initiative program. The Web address for transfer information is <http://itransfer.org> or please see a Counselor!

## Career Programs

Career programs are designed to lead to employment after one or two years of study. Normally courses in these programs are not designed to be transferred. There are exceptions and IVCC counselors can help explain how parts or all of a career program can be transferred. IVCC offers two options within the Career Program:

### Associate in Applied Science

The A.A.S. is the degree program in the career area. The A.A.S. can be completed in two years of full time study (or longer if attending on a part-time basis). About 75 percent of the course work required for the A.A.S. is directly in the particular major or field of study, or very closely related to it. The remaining 25 percent of the course work is in General Education. IVCC offers an A.A.S. degree in the following program areas:

- Accounting
- Agricultural Business Management
- Agronomy
- Automotive Technology
- Business Administration
- Business Technology
- Computer Aided Engineering & Design
- Computer Network Administration
- Criminal Justice
- Early Childhood Education
- Electronics & Electricians Technology
- Engineering
- Forensic Specialist
- Graphic Design Technology
- Human Services
- Manufacturing Technology
- Marketing
- Nursing (RN)
- Therapeutic Massage
- Welding Construction
- Welding Production

## Certificate Programs

Certificates are shorter term career programs. Some certificates consist of as little as three courses; others contain as many as 30 semester hours. Most certificate programs take about one year to complete (as a full-time student). Certificate programs contain many of the same courses found in the longer A.A.S. degree programs. At IVCC, the following certificate programs are offered:

- Basic Accounting
- Advanced Accounting
- Advanced Automotive Technology
- Basic Automotive Technology
- Automotive Brakes, Suspension & Alignment
- Automotive Engine Performance
- Automotive Driveability
- Business Technology I
- Business Technology II
- Certified Nursing Assistant (CNA)
- Certified Production Technician (CPT)
- Computer Aided Drafting
- Computer Networking
- Computer Numerical Control Operators
- Criminal Justice
- Dental Assisting
- Early Childhood Education Gateways Credential
- Forensic Specialist
- Graphic Design Technology
- Heating, Ventilation & Air Conditioning (HVAC)
- Human Services
- Industrial Electricians
- Industrial Maintenance
- Machinist & Tool & Die Making
- Paramedic
- Phlebotomy
- Practical Nursing (PN)
- Process Operations Technology
- Renewable Wind Energy (Basic/Advanced)
- Retailing/Merchandising
- Substance Abuse Basic & Advanced
- Therapeutic Massage
- Truck Driver Training
- Welding Advanced Construction
- Welding Basic Construction
- Welding GMAW
- Welding GTAW
- Welding OAW
- Welding Production

2/23/18



## Final Exam Schedule

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### Fall 2018

#### Day Classes

##### Thursday, December 6

Classes that meet on Tuesday and Thursday beginning at 9:00 a.m., 9:30 a.m., 11:00 a.m., 1:00 p.m., 3:00 p.m. and 3:30 p.m.

(9:30 a.m. classes may start at 9:00 a.m. to allow for a two-hour exam)

##### Friday, December 7

Classes that meet on Monday, Wednesday, and Friday; or Monday and Wednesday; or Wednesday and Friday; or Monday and Friday (or more than 3 days a week) beginning at 9:00 a.m., 11:00 a.m., 1:00 p.m. and 3:00 p.m.

##### Monday, December 10

Classes that meet on Monday, Wednesday, and Friday; or Monday and Wednesday; or Wednesday and Friday; or Monday and Friday (or more than 3 days a week) beginning at 8:00 a.m., 10:00 a.m., 12:00 noon, 2:00 p.m. and 4:00 p.m.

##### Tuesday, December 11

Classes that meet on Tuesday and Thursday beginning at 8:00 a.m., 10:00 a.m., 12:00 noon, 12:30 p.m. 2:00 p.m. and 4:00 p.m.

(12:30 p.m. classes may start at 12:00 noon to allow for a two-hour exam)

#### Saturday Classes

##### Saturday - December 8

#### Evening Classes

##### Tuesday evenings – December 4

##### Wednesday evenings – December 5

##### Thursday evenings – December 6

##### Monday evenings – December 10

#### ONLINE CLASSES

**Final exams will be administered no later than Tuesday, December 11.**

Reminders:

Final exams must be administered on the scheduled day and time.

Final grades are due in the Records Office by 10:00 a.m. on Friday, December 14, 2018.

Student break is December 12, 2018 through January 8, 2019.

Faculty In-Service is Tuesday, January 8, 2019.

Spring classes begin Wednesday, January 9, 2019.

### Spring 2019

#### Day Classes

##### Monday, May 6

Classes that meet on Monday, Wednesday, and Friday; or Monday and Wednesday; or Wednesday and Friday; or Monday and Friday (or more than 3 days a week) beginning at 9:00 a.m., 11:00 a.m., 1:00 p.m., and 3:00 p.m.

##### Tuesday, May 7

Classes that meet on Tuesday and Thursday beginning at 9:00 a.m., 9:30 a.m., 11:00 a.m., 1:00 p.m., 3:00 p.m. and 3:30 p.m.

(9:30 a.m. classes may start at 9:00 a.m. to allow for a two-hour exam)

##### Wednesday, May 8

Classes that meet on Monday, Wednesday, and Friday; or Monday and Wednesday; or Wednesday and Friday; or Monday and Friday (or more than 3 days a week) beginning at 8:00 a.m., 10:00 a.m., 12:00 noon, 2:00 p.m. and 4:00 p.m.

##### Thursday, May 9

Classes that meet on Tuesday and Thursday at 8:00 a.m., 10:00 a.m., 12:00 noon, 12:30 p.m., 2:00 p.m. and 4:00 p.m.

(12:30 p.m. classes may start at 12:00 noon to allow for a two-hour exam).

#### Saturday Classes

##### Saturday - May 4

#### Evening Exams

##### Wednesday evenings – May 1

##### Thursday evenings – May 2

##### Tuesday evenings – May 7

##### Monday evenings – May 13

#### ONLINE CLASSES

**Final exams will be administered no later than Thursday, May 9.**

Reminders:

Final exams must be administered on the scheduled day and time.

Final grades are due in the Records Office by 10:00 a.m. on Wednesday, May 15, 2019.

Commencement is Saturday, May 18, 2019.

## General Education

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**The purpose of general education at IVCC is to enhance students' abilities to think and act responsibly as citizens in a changing world.**

The IVCC faculty has agreed that the goals outlined below will enable us to achieve this purpose. They will serve as guides for general education and will be addressed through IVCC's curriculum. Students will encounter teaching strategies and find learning activities designed to attain these goals embedded in courses throughout the curriculum.

**1. To apply analytical and problem solving skills to personal, social, and professional issues and situations.** The purpose of this goal is to help students develop competence in their ability to differentiate between fact and opinion, to determine the accuracy and completeness of information, to be able to compare and contrast information and points of view, to apply logical reasoning skills, to make reasonable judgments, and to draw logical conclusions. Students should be able to apply these skills in both social and personal settings and use them to enhance their problem solving skills in the workplace.

**2. To communicate successfully, both orally and in writing, to a variety of audiences.** The purpose of this goal is to help students communicate clearly, appropriately, effectively, and creatively through both oral and written communication. These skills will be used throughout college, in the workplace, as well as in everyday life.

**3. To construct a critical awareness of and appreciation for diversity.** This goal seeks to foster and encourage the students' knowledge of and appreciation for their position as members of a global community by examining the cultures and their interconnectivity. Appreciation can be understood here to mean that students must have an adequate understanding and respect for difference before they can compare other cultures to their own. Aspects of given cultural groups may include but are not limited to the personal, philosophical, religious, social, economic, historical and political.

**4. To understand and use technology effectively and to understand its impact on the individual and society.** The intent of this goal is to develop the ability of the students to access, understand and apply technology to their personal and professional lives, and to have an appreciation of the impact of technology on their communities.

**5. To develop interpersonal capacity.** The purpose of this goal is to help students develop the ability to interact effectively with others. Individuals with interpersonal capacity possess relationship building skills that are desirable in the workplace, as well as in the public sphere and their private lives.

**6. To recognize what it means to act ethically and responsibly as an individual and as a member of society.** The purpose of this goal is to assist students in developing an understanding of the tools necessary to form and evaluate a personal code of ethics and then to apply those tools within the context of their own lives. The faculty at IVCC aim to share a set of values with our students that will inspire them to develop a moral compass that will guide them in making ethical decisions in their personal, professional, and public lives.\*

**7. To recognize what it means to develop and maintain a healthy lifestyle in terms of mind, body, and spirit.** This goal is intended to assist students in developing a lifelong, holistic approach to health maintenance, because students thus equipped can utilize their skills and knowledge to create positive change in themselves and their communities.

**8. To connect learning to life.** Students apply new and existing knowledge to exhibit a long-term perspective for career planning and personal growth; thus, they display the understanding that interdisciplinary experiences promote life-long learning.

\*In order for this goal to be accomplished, one must understand the difference between "values," "morals" and "ethics." "Values" are a set of enduring beliefs or attitudes about the worth of a person, object, idea or action. They are used to guide one in making decisions. Most students come to us with a set of values already in place. "Ethics" is most often defined as a systematic study of values and the principles of conduct. "Morality" is defined as the actual practice of virtue, or principles of right or wrong conduct in one's life.

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#### Mission

The Illinois Valley Community College Foundation is an independent, nonprofit, **501 (c) (3)** corporation created to enhance the College's ability to provide educational opportunity and public service.

The Foundation provides access to IVCC through scholarships — more than \$1 million has been awarded in just the past ten years. In addition, the Foundation enhances IVCC's learning environment by supporting academic programs and purchasing much-needed instructional equipment the College could not otherwise afford. Since its founding in 1976, the Foundation has been supported in its mission by generous individuals, civic groups, professional societies and businesses. For information, call Mr. Fran Brolley at (815) 224-0466.

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## Policies and Procedures

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- Academic Probation/Dismissal** ([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=40](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=40))
- Affirmative Action** ([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=69](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=69))
- Americans with Disabilities Act** ([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=209](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=209))
- Attendance/Student Progress** (<https://www.ivcc.edu/academicaffairs.aspx?id=6646>)
- Campus Security** (<https://www.ivcc.edu/businessservices.aspx?id=14006>)
- Campus Violence** (<https://www.ivcc.edu/businessservices.aspx?id=17698>)
- Children on Campus** (<https://www.ivcc.edu/academicaffairs.aspx?id=6088>)
- Chronic Communicable Diseases**  
([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=45](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=45))
- Domestic Violence/ADV/SAS** (<http://advsas.org>)
- Dual Admissions Agreements** (<https://www.ivcc.edu/admissions.aspx?id=1960>)
- Emergency Alerts** (<https://www.ivcc.edu/forms/IVCCAlerts.aspx>)
- Emergency College Closings** (<https://www.ivcc.edu/closings.aspx?id=234>)
- Emergency Procedures** (<https://www.ivcc.edu/businessservices.aspx?id=5334>)
- Gainful Employment** (<https://www.ivcc.edu/financialaid.aspx?id=28274>)
- Inclement Weather Policy** (<https://www.ivcc.edu/closings.aspx?id=234>)
- Parking** ([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=228](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=228))
- Search and Seizure** ([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=231](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=231))
- Sex Offenses on Campus** ([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=233](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=233))
- Sexual Misconduct and Other Harassment**  
([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=235](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=235))
- Smoking/Tobacco Use** ([https://www.ivcc.edu/uploadedFiles/board/IVCC\\_Board\\_Policy\\_Manual.pdf#page=247](https://www.ivcc.edu/uploadedFiles/board/IVCC_Board_Policy_Manual.pdf#page=247))
- Student Right to Know** (<https://www.ivcc.edu/counseling.aspx?id=29173>)

## Program Guidesheets

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### Transfer Programs

#### For Students Interested in Pursuing a Four-Year Degree

It is recommended that students planning to transfer follow the requirements of one of the following:

- The Illinois Articulation Initiative (IAI)
- The Associate of Arts (A.A.)
- The Associate of Science (A.S.)
- The Associate in Engineering Science (A.E.S.)

These degrees and the IAI are to meet general education requirements for a four-year degree. On the following pages are descriptions and requirements of the IAI and transfer degrees.

### Associate in Applied Science Programs

The A.A.S. is the degree program in the career area. The A.A.S. can be completed in two years of full time study (or longer if attending on a part-time basis). About 75 percent of the course work required for the A.A.S. is directly in the particular major or field of study, or very closely related to it. The remaining 25 percent of the course work is in General Education. Some IVCC degrees and certificates may lead to licensure and will be cross listed.

### Certificate Programs

Certificates are shorter career programs. Some certificates consist of as few as three courses; others contain as many as 30 semester hours. Most certificate programs take about one year to complete (as a full-time student). Certificate programs contain many of the same courses found in the longer A.A.S. degree programs. Some IVCC degrees and certificates may lead to licensure and will be cross listed.

### Licensure Programs

For students wanting to take Emergency Medical Technician (EMT) and/or Emergency Medical Responder (EMR) courses. EMT Basic and EMR courses may lead to State Certification. These do not lead to an IVCC Certificate or Associate in Applied Science.

# Transfer Guidesheets

## Transfer Degree Guarantee

Illinois Valley Community College guarantees to those students earning the Associate in Arts and the Associate in Science degree that their courses will transfer to Illinois state universities as identified and defined in the Course Equivalency Handbook on file in the Counseling Center and in accordance with the Illinois Articulation Initiative. If a course in these degree programs is taken at IVCC and successfully completed in compliance with the Transfer Course Equivalency Handbook and not accepted by an Illinois state university, IVCC will pay back to the student the tuition costs of that course.

This transfer guarantee is subject to the conditions stated below.

1. The application for a refund must be submitted within one calendar year of completion or graduation with an AA or AS degree from IVCC.
2. The course must have been completed with a grade of "C" or higher.
3. The refund would be based upon the tuition paid at the time the course was completed.
4. The student has met with an authorized counselor from the college, declared a major and a transfer university prior to taking any courses in the guarantee, and is taking only those courses approved in writing by the counselor.
5. The student must declare, upon his/her initial enrollment at IVCC, what Illinois public university he/she will plan to attend. The student must enroll at the declared university within two years of this declaration.
6. The student requests an evaluation by the transfer university of the IVCC courses completed immediately upon transfer.
7. The student cooperates with IVCC personnel in resolving any transfer difficulties by notifying the college and submitting any necessary consents or releases for student records or correspondence.
8. The student submits within 60 days of being notified by the transfer university that a course has been refused for credit and makes a claim for refund. The claim must state the reasons for the refusal offered by the university, the name, position, address, and telephone number of the person notifying the student of the refusal and copies of any correspondence or documentation provided by the transfer university.
9. The college will first attempt to resolve the issue with the transfer university. If favorable resolution is not achieved within 120 days, the reimbursement will be authorized.

Student rights under this program are personal and may not be assigned or transferred voluntarily or involuntarily. Furthermore, no refund is required or will be made if the scholarship, financial aid program, loan, or other source used to pay the tuition prohibits payment or reimbursement of tuition directly to the student. The sole recourse available to participants enrolled in this guarantee program shall be limited to the tuition reimbursement of the class at the time of enrollment with no recourse for damages, court costs, or any associated costs of any kind or right to appeal beyond those specified by Illinois Valley Community College.

To make a claim for reimbursement or further information about this guarantee, the student should contact the office of the Associate Vice President for Student Services at (815) 224-0393.

# Agriculture

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
AGR 1000 Introduction To Field Crop Science	4	
AGR 1002 Intro Agriculture Mechanics	3	
ENG 1001 English Composition I	3	
Life or Physical Lab Science	4	
Social Sciences	3	
AGR 1001 Introductory Agricultural Economics		3
ENG 1002 English Composition II		3
SPH 1001 Fundamentals of Speech		3
Fine Arts Group II		3
Mathematics Group I		3
Year Total:	17	15

## Second Year

	Fall	Credits Spring
AGR 1005 Introductory Soil Science	4	
Humanities Group I	3	
Life or Physical Science	3	
Mathematics Group I or II	3	
Social Sciences	3	
AGR 1004 Microcomputer Applications in Agri		3
Humanities/Fine Arts Group I, II or III		3
Health and Wellness		2
Major Course - Select a Univ. requirement		2
Social Sciences		3
Science or Humanities or Fine Arts		3
Year Total:	16	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

BIO 1001, 1002, 1003 (Fall only) 1004 (Spring only)  
 CHM 1004, 1006, 1007  
 MTH 1006, 1007, 1008

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study.

2/21/18

# Art

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ART 1002 Drawing I	3	
ART 1005 Design I	3	
ENG 1001 English Composition I	3	
Mathematics	3	
Social Science	3	
ART 1012 Drawing II		3
ART 1015 Design II		3
ENG 1002 English Composition II		3
Humanities/Fine Arts Group I, II, III, IV		3
Life or Physical Science Lab		4
Year Total:	15	16

## Second Year

	Fall	Credits Spring
ART 1000 Art Survey	3	
SPH 1001 Fundamentals of Speech Health and Wellness	3 1	
Major Course - Select a Univ. requirement	3	
Major Course - Select a Univ. requirement	4	
Social Science	3	
ART 1010 Art Survey II		3
Humanities Group I		3
Health and Wellness		1
Major Course - Select a Univ. requirement		3
Social Science		3
Life or Physical Science		3
Year Total:	17	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

[IAI Guidelines recommend two studio art electives]

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ART 1001, 1007, 1009, 2000, 2009  
GDT 2006 (Fall only)

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

Most schools require portfolio for admission.

See a Counselor if transfer is recommended after 1 year. Many Art Majors are recommended to transfer after one year.

There may be additional requirements in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18



# Biology

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
BIO 1003 Principles of Biology	4	
CHM 1006 General Chemistry I	5	
ENG 1001 English Composition I	3	
Mathematics	4	
BIO 1004 Biological Diversity		4
CHM 1007 General Chemistry II		5
ENG 1002 English Composition II		3
Fine Arts Group II		3
Health and Wellness		2
Year Total:	16	17

## Second Year

	Fall	Credits Spring
CHM 2002 Organic Chemistry	5	
SPH 1001 Fundamentals of Speech	3	
Humanities Group I	3	
Social Science	3	
Social Science	3	
CHM 2003 Organic Chemistry II		5
Humanities/Fine Arts Group I, II, or III		3
Major Course - Select a Univ. requirement		3
Social Science		3
Year Total:	17	14

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Total Credit Hours: 64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ECN 2004  
PHY 2003, 2004  
MTH 1006, 1007, 1008, 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

2/21/18

# Business

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ECN 2002 Principles of Microeconomics	3	
ENG 1001 English Composition I	3	
MTH 1007 Calculus for Bus. & Soc. Sciences	4	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
CSI 1002 Intro To Business Computer Systems		3
ECN 2003 Principles of Macroeconomics		3
ENG 1002 English Composition II		3
Humanities/Fine Arts Group I, II, or III		3
Social Science		3
Year Total:	16	15

## Second Year

	Fall	Credits Spring
ACT 1010 Financial Accounting	3	
ECN 2004 Business Statistics	3	
Humanities Group I	3	
Health and Wellness	1	
Major Course - Select a Univ. requirement	3	
Life or Physical Science Lab	4	
ACT 1020 Managerial Accounting		3
Elective Course		3
Humanities/Fine Arts Group I, II, III, or IV		3
Health and Wellness		1
Major Course - Select a Univ. requirement		3
Life or Physical Science Lab		3
Year Total:	17	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

BUL 2000, 2010  
 BUS 1010  
 MTH 1006, 2001

Based on Math placement, some students may need additional math classes. For Science Gen Ed requirements 1 course must be in Life Science and 1 course in Physical Science.

There may be additional requirements in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

# Chemistry

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Spring	Credits Summer
CHM 1006 General Chemistry I	5		
ENG 1001 English Composition I	3		
MTH 2001 Calculus & Analytic Geometry I	5		
Fine Arts Group II	3		
Health and Wellness	1		
CHM 1007 General Chemistry II		5	
ENG 1002 English Composition II		3	
MTH 2002 Calculus & Analytic Geometry II		4	
SPH 1001 Fundamentals of Speech		3	
Health and Wellness		1	
Social Science			3
Life Sciences I			3
Year Total:	17	16	6

## Second Year

	Fall	Spring	Credits Summer
CHM 2002 Organic Chemistry	5		
PHY 2003 General Physics	5		
Humanities/Fine Arts Group I, II or III	3		
Social Sciences	3		
CHM 2003 Organic Chemistry II		5	
PHY 2004 General Physics		5	
Humanities Group I		3	
Social Sciences		3	
Year Total:	16	16	

Total Credit Hours:

71

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree (See Counselor for semester offering)
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

EDC 2000  
MTH 2003  
PHY 1001, 2001, 2002

Based on Math placement, some students may required additional Math courses for transfer.  
For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements in the sample curriculum above. Consult with a Counselor to develop your individual plan of study.

2/21/18

## Clinical/Medical Lab Science

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
BIO 1003 Principles of Biology	4	
CHM 1006 General Chemistry I	5	
ENG 1001 English Composition I	3	
Mathematics	3	
BIO 1004 Biological Diversity		4
CHM 1007 General Chemistry II		5
ENG 1002 English Composition II		3
Fine Arts Group II		3
Social Sciences		3
Year Total:	15	18

### Second Year

	Fall	Credits Spring
BIO 1009 Microbiology	4	
CHM 2002 Organic Chemistry	5	
Humanities Group I	3	
Health and Wellness	1	
Social Sciences	3	
CHM 2003 Organic Chemistry II		5
SPH 1001 Fundamentals of Speech		3
Humanities/Fine Arts Group I, II, or III		3
Health and Wellness		1
Social Sciences		3
Year Total:	16	15

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Total Credit Hours:	64
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### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

BIO 1007 (Fall & Summer only) BIO 1008 (Spring only)  
PHY 2003 (Fall only) PHY 2004 (Spring only)

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Due to required science sequences for transfer, students may require more than the 64 hours to be prepared to transfer.

There may be additional requirements in the sample curriculum above. Consult with a Counselor to develop your individual plan of study.

2/21/18

# Communications Studies

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
JRN 1001 Intro To The Mass Media	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
Mathematics	3	
ENG 1002 English Composition II		3
Humanities/Fine Arts Group I, II, or III		3
Major Course - Select a Univ. requirement		3
Social Sciences		3
Life or Physical Sciences Lab		4
Year Total:	15	16

## Second Year

	Fall	Credits Spring
Elective Course	3	
Elective Course	4	
Humanities Group I	3	
Health and Wellness	1	
Major Course - Select a Univ. requirement	3	
Social Science	3	
Elective Course		3
Elective Course		3
Humanities/Fine Arts Group I, II, III, or IV		3
Health and Wellness		1
Social Sciences		3
Life or Physical Science		3
Year Total:	17	16

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Total Credit Hours: 64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

CSI 1002, EDC 2000, FLM 2009

Foreign Language: 1001, 2001 (Fall only) 1002, 2002 (Spring only) JRN 1002, SPH 1002, THE 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Based on transfer school, student may need a 4 hour Math course in the Fall of Year 1. 2/21/18

# Computer Science

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
CSI 1011 Computer Science I	4	
ENG 1001 English Composition I	3	
SPH 1001 Fundamentals of Speech	3	
Mathematics	4	
Social Science	3	
CSI 1012 Object Oriented Programming		4
ENG 1002 English Composition II		3
Humanities Group I		3
Social Science		3
Major Course - Select a Univ. requirement		3
Year Total:	17	16

## Second Year

	Fall	Credits Spring
CSI 2011 Computer Science II	4	
Humanities/Fine Arts Group I, II, or III	3	
Health and Wellness	2	
Major Course - Select a Univ. requirement	3	
Life or Physical Science Lab	4	
Fine Arts Group II		3
Humanities/Fine Arts Group, I, II, III, IV		3
Major Course - Select a Univ. requirement		3
Social Science		3
Life or Physical Science		3
Year Total:	16	15

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ACT 1010, 1020, CSI 1002, 1013, 2012

ECN 2002, 2004

MTH 1006, 1007, 2001, 2002, 2003

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Based on transfer school, student may need a 4 or 5 hour Math course the Fall of Year 1.

There may be additional requirements in the sample curriculum above. Consult with a Counselor to develop your individual plan of study.

2/21/18



# Criminal Justice

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
CRJ 1000 Introduction To Criminal Justice	3	
ENG 1001 English Composition I	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
Health and Wellness	1	
Social Sciences	3	
ENG 1002 English Composition II		3
Humanities Group I		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Mathematics		4
Year Total:	16	16
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Total Credit Hours:		32

## Second Year

	Fall	Credits Spring
Elective Course	3	
Humanities/Fine Arts Group I, II, III, or IV	3	
Major Course - Select a Univ. requirement	3	
Social Sciences	3	
Life or Physical Science Lab	4	
Humanities/Fine Arts Group I, II, III, or IV		3
Health and Wellness		1
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Social Sciences		3
Life or Physical Science		3
Year Total:	16	16
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Total Credit Hours:		32

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

CRJ 1030, 1070, 2020, 2040 (Spring only)

CRJ 2010, 2030 (Fall only)

FRS 1000, MTH 1008, PSI 1000

PSY 1000, SOC 1000, THE 1006

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

## Dietetic/Nutrition

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ALH 1000 Introduction To Nutrition	3	
BIO 1001 General Biology I	4	
ENG 1001 English Composition I	3	
Fine Arts Group II	3	
Mathematics	3	
BIO 1009 Microbiology		4
CHM 1004 Chemistry or CHM 1006 General Chemistry I		4-5
ENG 1002 English Composition II		3
Humanities Group I		3
Social Science		3
Year Total:	16	17-18

### Second Year

	Fall	Credits Spring
BIO 1007 Anatomy & Physiology I	4	
SPH 1001 Fundamentals of Speech	3	
Humanities/Fine Arts Group I, II, or III	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
BIO 1008 Anatomy & Physiology II		4
Elective Course		3
Humanities/Fine Arts Group I, II, III, or IV		3
Health and Wellness		2
Social Science		3
Year Total:	16	15

Total Credit Hours:

64-65

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ALH 1002, ANT 1000, CHM 1004, 1006, 1007, 2002  
 CSI 1002, ECN 2002, 2003, EDC 2000  
 MTH 1005, 1007, 1008, 2001, 2002  
 PEI 1000, PSY 1000, SOC 1000, 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Based on transfer school, students may need additional Math and Science course work. There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your plan of study. 2/21/18

## Early Childhood Education

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
Life or Physical Science Lab	4	
ENG 1002 English Composition II		3
MTH 1009 Structure of Number Systems I		3
Health and Wellness		1
Humanities/Fine Arts Group I, II, or III		3
Social Sciences		3
Life or Physical Science		3
Year Total:	16	16

### Second Year

	Fall	Credits Spring
MTH 1010 Structure of Number Systems II	3	
Health and Wellness	1	
Humanities Group I	3	
Social Sciences	3	
Social Sciences	3	
Major Course - Select a Univ. requirement	3	
HIS 2002 History of Latin America		3
Humanities/Fine Arts Group I, II, III, or IV		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		4
Year Total:	16	16

Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

BIO 1001, 1003 (Fall only), CSI 1002, ECE 1000, 2005, EDC 1203, 2003, 2006, HIS 2000, 2001, PSI 1000, PSY 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Please note that any student enrolling in an education course that includes a clinical experience/observation component may be subject to an Illinois State Police background check at the student's expense to ensure the safety of the children being observed. Students enrolled in Early Childhood Education, Teacher Education or Paraprofessional Education programs at IVCC are required to submit, upon initial enrollment, to a background check through Accurate Biometrics.

Students will also submit to ongoing evaluations of professional and ethical disposition indicators throughout their tenure at IVCC. Students are expected to abide by ECE and EDC handbook rules and regulations as well as IVCC Code of Conduct policy and procedures. It is the responsibility of the student to examine school code requirements regarding certification and employment (School Code: 105 ILCS 5/21-23.9 <http://www.ilga.gov>) There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor. 2/21/18

## Elementary Education

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
SPH 1001 Fundamentals of Speech	3	
Humanities/Fine Arts Group I, II, or III	3	
Life or Physical Science Lab	4	
ENG 1002 English Composition II		3
MTH 1009 Structure of Number Systems I or MTH 1011 Dimensions of Math Understanding		3
Fine Arts Group II		3
Social Sciences		3
Major Course - Select a Univ. requirement		3
Year Total:	16	15

### Second Year

	Fall	Credits Spring
MTH 1010 Structure of Number Systems II	3	
Health and Wellness	2	
Humanities Group I	3	
Life or Physical Science	3	
Social Sciences	3	
Major Course - Select a Univ. requirement	3	
HIS 2002 History of Latin America		3
Humanities/Fine Arts Group I, II, III, or IV		3
Social Sciences		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		4
Year Total:	17	16

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Total Credit Hours:

64

#### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)

#### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

BIO 1001, 1003 (Fall only), CSI 1002, ECE 1000, 2005, EDC 1000,1203, 2000, 2003, 2006, HIS 2000, 2001, PSI 1000, PSY 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Please note that any student enrolling in an education course that includes a clinical experience/observation component may be subject to an Illinois State Police background check at the student's expense to ensure the safety of the children being observed. Students enrolled in Early Childhood Education, Teacher Education or Paraprofessional Education programs at IVCC are required to submit, upon initial enrollment, to a background check through Accurate Biometrics.

Students will also submit to ongoing evaluations of professional and ethical disposition indicators throughout their tenure at IVCC. Students are expected to abide by ECE and EDC handbook rules and regulations as well as IVCC Code of Conduct policy and procedures. It is the responsibility of the student to examine school code requirements regarding certification and employment (School Code: 105 ILCS 5/21-23.9 <http://www.ilga.gov>) There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor. 2/21/18

# Engineering

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Spring	Credits Summer
CHM 1006 General Chemistry I	5		
EGR 1000 Engineering Graphics I	4		
ENG 1001 English Composition I	3		
MTH 2001 Calculus & Analytic Geometry I	5		
CHM 1007 General Chemistry II		5	
ENG 1002 English Composition II		3	
MTH 2002 Calculus & Analytic Geometry II		4	
PHY 1001 General Physics		5	
Gen Ed Health and Wellness		1	
SPH 1001 Fundamentals of Speech			3
Gen Ed Humanities/Fine Arts Group I, II, or III			3
Year Total:	17	18	6

## Second Year

	Fall	Spring	Credits Summer
MTH 2003 Calculus & Analytic Geometry III	4		
PHY 2001 General Physics	4		
TAM 2001 Theoretical & Applied Mechanics (Stat/ Dynam)	5		
Gen Ed Social Sciences	3		
Gen Ed Humanities Group I	3		
MTH 2007 Differential Equations		3	
PHY 2002 General Physics		4	
Gen Ed Fine Arts Group II		3	
Gen Ed Health and Wellness		1	
Gen Ed Social Sciences		3	
Gen Ed Social Science			3
Gen Ed Life Sciences I			3
Year Total:	19	14	6

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Total Credit Hours: 80

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

CSI 1011, Foreign Language

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

Specific university requirements available in the Counseling Center.

2/21/18

# English

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
SPH 1001 Fundamentals of Speech	3	
Gen Ed Health and Wellness Gen Ed	1	
Gen Ed Mathematics Gen Ed	4	
Major Course - Select a Univ. requirement	4	
ENG 1002 English Composition II		3
Gen Ed II Fine Arts Group II		3
Gen Ed Social Science		3
Gen Ed Life or Physical Science Lab		4
Major Course - Select a Univ. requirement		4
Year Total:	15	17

## Second Year

	Fall	Credits Spring
Elective	3	
Gen Ed I Humanities Group I	3	
Gen Ed Life or Physical Science	3	
Gen Ed Social Science	3	
Major Course - Select a Univ. requirement	4	
Gen Ed Health and Wellness Gen Ed		1
Gen Ed III Humanities/Fine Arts Group I, II, or III		3
Gen Ed IV Humanities/Fine Arts Group I, II, III or IV		3
Gen Ed Social Science		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ENG 1003, 2000, Foreign Language: 1001, 2001 Fall & Summer only, 1002, 2002 Spring & Summer only  
LIT 2000, 2001, 2010, 2011

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18



# Environmental Studies

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
BIO 1000 The Global Environment	3	
CHM 1006 General Chemistry I	5	
ENG 1001 English Composition I	3	
Fine Arts Group II	3	
Mathematics	3	
CHM 1007 General Chemistry II		5
ENG 1002 English Composition II		3
Humanities Group I		3
Social Science		3
Year Total:	17	14

## Second Year

	Fall	Credits Spring
Elective Course	3	
Health and Wellness	1	
Humanities/Fine Arts Group I, II or III	3	
Social Sciences	3	
Major Course - Select a Univ. requirement	3	
Major Course - Select a Univ. requirement	3	
SPH 1001 Fundamentals of Speech		3
Health and Wellness		1
Humanities/Fine Arts Group I, II, III or IV		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		4
Social Science		3
Year Total:	16	17

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

AGR 1003, BIO 1001, 1007, 1008, 1009

CHM 2002, ECN 2002, 2003, GEG 1001, GEL 1008

MTH 1006, 1007, 1008, 2001, PHY 2003, PSI 1000

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Based on transfer school, students may need additional Math & Science coursework.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study.

2/21/18

# Fashion Merchandising

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
Health and Wellness	1	
Mathematics	3	
Social Science	3	
ENG 1002 English Composition II		3
Elective Course		3
Humanities Group I		3
Life or Physical Science Lab		4
Social Science		3
Year Total:	16	16

## Second Year

	Fall	Credits Spring
ACT 1010 Financial Accounting	3	
Elective Course	4	
Humanities/Fine Arts Group I, II, or III	3	
Life or Physical Science	3	
Social Science	3	
Elective Course		3
Elective Course		3
Health and Wellness		1
Humanities/Fine Arts Group I, II, III, or IV		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ALH 1000, 1002, BUL 2000, 2010, CHM 1004, 1006  
 CSI 1002, DRW 1000, 1010, DSN 1000, 1010  
 ECN 2002, 2003, MTH 1006, 1007, 1008, 2001  
 PSI 1000, PSY 1000, SOC 1000, 1002

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

## Foreign Language

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
Fine Arts Group II	3	
Mathematics	3	
Social Science	3	
Major Course - Select a Univ. requirement	4	
ENG 1002 English Composition II		3
SPH 1001 Fundamentals of Speech		3
Life or Physical Science Lab		4
Social Science		3
Major Course - Select a Univ. requirement		4
Year Total:	16	17

### Second Year

	Fall	Credits Spring
Elective Course	3	
Health and Wellness	1	
Humanities Group I	3	
Humanities/Fine Arts Group I, II, or III	3	
Social Science	3	
Major Course - Select a Univ. requirement	4	
Health and Wellness		1
Humanities/Fine Arts Group I, II, III, or IV		3
Life or Physical Science		3
Major Course - Select a Univ. requirement		4
Major Course - Select a Univ. requirement		3
Year Total:	17	14

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Total Credit Hours:

64

#### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

#### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

Foreign Language:  
Spanish, French, German  
1001, 2001 (Fall only)  
1002, 2002 (Spring only)

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

2/21/18

# Forestry

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
AGR 1005 Introductory Soil Science	4	
ENG 1001 English Composition I	3	
Health and Wellness	1	
Life or Physical Science Lab	4	
Mathematics	4	
ENG 1002 English Composition II		3
SPH 1001 Fundamentals of Speech		3
Humanities/Fine Arts Group I, II, or III		3
Life or Physical Science		3
Major Course - Select a Univ. requirement		5
Year Total:	16	17

## Second Year

	Fall	Credits Spring
Health and Wellness	1	
Humanities Group I	3	
Social Science	3	
Major Course - Select a Univ. requirement	4	
Major Course - Select a Univ. requirement	5	
Fine Arts Group II		3
Social Science		3
Social Science		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	16	15

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

BIO 1001, 1002, 1003 (Fall only), 1004 (Spring only)  
 CHM 1004, 1006, 1007, CRJ 1000, ECN 2002, 2003, GEL 1008,  
 HRT 1010, PHY 2003 (Fall only), PHY 2004 (Spring only)  
 For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study.

2/21/18

## Geography/Meteorology

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
GEG 1001 Weather & Climate	4	
Fine Arts Group II	3	
Health and Wellness	1	
Mathematics	3	
ENG 1002 English Composition II		3
GEG 1002 Physical Geography		4
Humanities Group I		3
Health and Wellness		1
Mathematics		5
Year Total:	14	16

### Second Year

	Fall	Credits Spring
Elective Course	4	
Life or Physical Science Lab	4	
Social Science	3	
Social Science	3	
Major Course - Select a Univ. requirement	4	
SPH 1001 Fundamentals of Speech		3
Humanities/Fine Arts Group I, II, or III		3
Life or Physical Science		3
Social Science		3
Major Course - Select a Univ. requirement		4
Year Total:	18	16

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Total Credit Hours:

64

#### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

#### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

AGR 1005 (Fall only), ANT 1000, BIO 1000  
 CSI 1000, GEG 1003, 1004, 1005  
 MTH 1008, 2001 2002, SOC 1000  
 Meteorology (courses below should be completed)  
 PHY 1001, 2001, 2002, MTH 2001, 2002, 2003

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Based on transfer school, students may need additional Math & Science coursework.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor. 2/21/18

# Geology

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Spring	Credits Summer
CHM 1006 General Chemistry I	5		
ENG 1001 English Composition I	3		
GEL 1008 Physical Geology	4		
Mathematics	5		
CHM 1007 General Chemistry II		5	
ENG 1002 English Composition II		3	
GEL 1009 Historical Geology		4	
Mathematics		5	
SPH 1001 Fundamentals of Speech			3
Year Total:	17	17	3

## Second Year

	Fall	Spring	Credits Summer
PHY 2003 General Physics	5		
Health and Wellness	2		
Humanities Group I	3		
Social Science	3		
Social Science	3		
PHY 2004 General Physics		5	
Fine Arts Group II		3	
Humanities/Fine Arts Group I, II, or III		3	
Social Science		3	
Life Sciences I		3	
Year Total:	16	17	

Total Credit Hours:

70

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

GEL 1007

UIUC - PHY 1001, 2001, 2002 required

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor.  
2/21/18



# Graphic Design

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ART 1000 Art Survey	3	
ART 1002 Drawing I	3	
ART 1005 Design I	3	
ENG 1001 English Composition I	3	
Mathematics	3	
ART 1010 Art Survey II		3
ENG 1002 English Composition II		3
Life or Physical Science Lab		4
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	15	16

## Second Year

	Fall	Credits Spring
Elective Course	4	
Health and Wellness	1	
Humanities Group I	3	
Life or Physical Science	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
SPH 1001 Fundamentals of Speech		3
Elective Course		3
Health and Wellness		1
Humanities/Fine Arts Group I, II, III, or IV		3
Social Science		3
Social Science		3
Year Total:	17	16

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Total Credit Hours: 64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ART 2012, DRW 1010, DSN 1010  
GDT 1201, 1203, 1222

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

2/21/18

## Health Studies

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
Mathematics	3	
ENG 1002 English Composition II		3
Humanities Group I		3
Life of Physical Science Lab		4
Social Science		3
Major Course - Select a Univ. requirement		3
Year Total:	15	16

### Second Year

	Fall	Credits Spring
BIO 1007 Anatomy & Physiology I	4	
HPE 1003 Personal and Community Health	2	
Elective Course	3	
Elective Course	2	
Humanities/Fine Arts Group I, II, or III	3	
Social Science	3	
BIO 1008 Anatomy & Physiology II		4
Elective Course		3
Humanities/Fine Arts Group I, II, III or IV		3
Life or Physical Science		3
Major Course - Select a Univ. requirement		3
Year Total:	17	16

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Total Credit Hours:

64

#### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

#### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ACT 1010, ALH 1000, 1001, BIO 1007, 1008  
 CHM 1004, 1006, CSI 1002, ECN 2002, 2003  
 EDC 2000, MTH 1000, 1008, PSI 1000  
 PSY 2001, 2005, 2006

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

# History

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
HIS 2000 United States History To 1865	3	
SPH 1001 Fundamentals of Speech	3	
Life or Physical Science Lab	4	
Major Course - Select a Univ. requirement	3	
ENG 1002 English Composition II		3
HIS 2001 United States History From 1865		3
Fine Arts Group II		3
Humanities/Fine Arts Group I, II, or III		3
Mathematics		3
Year Total:	16	15

## Second Year

	Fall	Credits Spring
HIS 1000 History of Western Civilization I	3	
Health and Wellness	1	
Life or Physical Science	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
Major Course - Select a Univ. requirement	3	
HIS 1001 History of Western Civilization II		3
Elective Course		4
Health and Wellness		1
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	16	17

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Total Credit Hours: 64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ANT 1000, 1002, GEG 1004 (Spring only)  
 HIS 1003, 2002, 2006, 2008  
 PSI 1000, 1002, 1003, 2000

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

# Industrial/Engineering Technology

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
Mathematics	4	
Social Science	3	
ENG 1002 English Composition II		3
Humanities Group I		3
Life or Physical Science Lab		4
Social Science		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

## Second Year

	Fall	Credits Spring
Elective	3	
Health and Wellness	1	
Humanities/Fine Arts Group I, II, or III	3	
Life or Physical Science	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
Elective		3
Elective		3
Health and Wellness		1
Humanities/Fine Arts Group I, II, III or IV		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER: CSI 1002, CHM 1004, DFT 1200, ECN 2002, 2003  
EGR 1000, MTH 1006, 1007, 1008, 2001, PHY 1001, 2001, 2003, 2004, PSY 1000

**Additional option: Those completing AAS degrees in:**

**Computer Aided Design, Electronics and Electricians, Manufacturing Technology**

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

# Mathematics

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
MTH 2001 Calculus & Analytic Geometry I	5	
Elective	3	
Fine Arts Group II	3	
Social Science	3	
ENG 1002 English Composition II		3
MTH 2002 Calculus & Analytic Geometry II		4
Health and Wellness Gen Ed (HPE)		1
Humanities/Fine Arts Group I, II, or III		3
Life or Physical Science Lab		4
Year Total:	17	15

## Second Year

	Fall	Credits Spring
MTH 2003 Calculus & Analytic Geometry III	4	
SPH 1001 Fundamentals of Speech	3	
Health and Wellness Gen Ed	1	
Humanities Group I	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
Humanities/Fine Arts Group I, II, III or IV		3
Life or Physical Science		3
Social Science		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	17	15

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

CSI 1011, 1012, 2011, MTH 1008, MTH 2006, 2007 (Spring only)

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study.2/21/18

# Music

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
MUS 1000 Music Appreciation	3	
MUS 1002 Music Theory I	4	
Mathematics	4	
Major Course - Select a Univ. requirement	3	
ENG 1002 English Composition II		3
MUS 1012 Music Theory II		4
SPH 1001 Fundamentals of Speech		3
Humanities Group I		3
Social Science		3
Year Total:	17	16

## Second Year

	Fall	Credits Spring
MUS 2002 Music Theory III	4	
Health and Wellness	1	
Humanities/Fine Arts Group I, II, or III	3	
Life or Physical Science Lab	4	
Social Science	3	
Major Course - Select a Univ. requirement	2	
MUS 2012 Music Theory IV		4
Health and Wellness		1
Humanities/Fine Arts Group I, II, III, or IV		3
Life or Physical Science		3
Social Science		3
Year Total:	17	14

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

Foreign Languages:

FEN, GER, SPN

MUP 2001, 2005-2025, 2013-2053, 2014-2044, 2022, 2072

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

2/21/18



# Nursing

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
BIO 1007 Anatomy & Physiology I	4	
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
Fine Arts Group II	3	
Major Course - Select a Univ. requirement	4	
BIO 1008 Anatomy & Physiology II		4
ENG 1002 English Composition II		3
SPH 1001 Fundamentals of Speech		3
Social Science		3
Major Course - Select a Univ. requirement		3
Year Total:	17	16

## Second Year

	Fall	Credits Spring
CHM 1004 Chemistry	4	
MTH 1008 General Elementary Statistics	3	
Elective Course	4	
Health and Wellness	1	
Humanities Group I	3	
BIO 1009 Microbiology		4
Health and Wellness		1
Humanities/Fine Arts Group I, II, or III		3
Social Science		3
Major Course - Select a Univ. requirement		5
Year Total:	15	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ALH 1000, 1002, CHM 1006, 1007  
 PHL 1001, 1002, 1005, PSY 2001, SOC 1000

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

2/21/18

# Physical Education/Athletic Training/Exercise Science

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ALH 1000 Introduction To Nutrition	3	
ENG 1001 English Composition I	3	
HPE 1020 Physical Fitness I	1	
Fine Arts Group II	3	
Life or Physical Science	3	
Social Science	3	
ENG 1002 English Composition II		3
HPE 1021 Physical Fitness II		1
Humanities Group I		3
Social Science		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

## Second Year

	Fall	Credits Spring
BIO 1007 Anatomy & Physiology I	4	
SPH 1001 Fundamentals of Speech	3	
Humanities/Fine Arts Group I, II, or III	3	
Mathematics	3	
Major Course - Select a Univ. requirement	3	
BIO 1008 Anatomy & Physiology II		4
HPE 1003 Personal and Community Health		2
Humanities/Fine Arts Group I, II, III or IV		3
Life or Physical Science Lab		4
Social Science		3
Year Total:	16	16

Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ACT 1010, ALH 1000, 1001, 2201, BIO 1002, 1009  
 BUS 1010, EDC 2000, HPE 1000, 1001, 1002, 1003  
 HPE 1004, 1008 (Summer only) 1020, 1021  
 PSY 1000, 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

# Political Science

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSI 1000 American National Government	3	
SPH 1001 Fundamentals of Speech	3	
Elective	1	
Fine Arts Group II	3	
Mathematics	3	
ENG 1002 English Composition II		3
PSI 2000 International Relations		3
Humanities Group I		3
Life or Physical Science Lab		4
Social Science		3
Year Total:	16	16

## Second Year

	Fall	Credits Spring
Elective Course	3	
Health and Wellness	1	
Humanities/Fine Arts Group I, II, or III	3	
Life or Physical Science	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
Elective Course		3
Elective Course		3
Health and Wellness		1
Humanities/Fine Arts Group I, II, III, or IV		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ANT 1000, 1002, BUL 2000, 2010, CRJ 2020 (Spring only), ECE 2005  
ECN 2002, 2003, EDC 2000, HIS 2000, 2001, 2006, 2008

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

## Pre-Architecture Studies

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ART 1000 Art Survey	3	
ENG 1001 English Composition I	3	
HIS 1000 History of Western Civilization I	3	
MTH 2001 Calculus & Analytic Geometry I	5	
SPH 1001 Fundamentals of Speech	3	
ART 1010 Art Survey II		3
ENG 1002 English Composition II		3
HIS 1001 History of Western Civilization II		3
MTH 2002 Calculus & Analytic Geometry II		4
Life Science		3
Year Total:	17	16

### Second Year

	Fall	Credits Spring
PHY 2003 General Physics	5	
Elective Course	3	
Health and Wellness	1	
Social Science	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
Elective Course		3
Health and Wellness		1
Humanities/Fine Arts Group I, II, III or IV		3
Social Science		3
Major Course - Select a Univ. requirement		3
Year Total:	18	13

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Total Credit Hours:

64

#### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

#### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ANT 1000, DRW 1000, 1010, DSN 1000, 1010  
 EGR 1000, PHL 1001, 1002  
 PHY 1001, 2001, 2002, 2003, 2004  
 PSI 1003, 2005, PSY 1000, SOC 1000

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

## **Pre-Chiropractic**

It is recommended that students wishing to complete the pre-professional requirements for Chiropractic Physician do so by fulfilling the Pre-Chiropractic courses. Some Chiropractic Physician programs require a Bachelor's degree for admission.

Required Sequence in:

Principles of Biology BIO 1003, 1004

or

General Biology BIO 1001, 1002

or

Anatomy & Physiology BIO 1007, 1008

Required Sequence in:

General Chemistry CHM 1006, 1007

and

Organic Chemistry CHM 2002, 2003

Required Sequence in:

General Physics for the Liberal Arts and Sciences PHY 2003, 2004

Highly recommended Sequence in Anatomy and Physiology: BIO 1007, 1008

Please see a counselor to assist you in your academic plan.

2/21/18

## Pre-Dentistry

Since the majority of students are admitted to Dental Medicine programs with a bachelor's degree, it is recommended that students wishing to complete the pre-professional requirements for Dental Medicine do so by selecting a major area of study and by fulfilling the Pre-Dentistry courses.

Required Sequence in:

Principles of Biology BIO 1003, 1004

**or**

General Biology BIO 1001, 1002

Required Sequence in: General Chemistry CHM 1006, 1007 and Organic Chemistry CHM 2002. Required Sequence in: General Physics for the Liberal Arts and Sciences PHY 2003, 2004 Highly recommended Sequence in Anatomy and Physiology: BIO 1007, 1008 Highly recommended: Calculus: MTH 2001 3/22/12 Please see a counselor to assist you in your academic plan. Admission is highly competitive.

2/21/18



# Pre-Law

## **IT IS THE STUDENT'S RESPONSIBILITY TO MEET ALL REQUIREMENTS FOR THEIR CHOSEN DEGREE.**

Admission to most law schools requires a baccalaureate degree.

### **How to prepare for a law school education**

Law schools want students who can think critically and write well, and who have some understanding of the forces that have shaped the human experience. These attributes can be acquired in any number of college courses, whether in the arts and humanities, the social sciences, or the natural sciences.

An undergraduate career that is narrowly based or vocationally oriented may not be the best preparation for law school. As long as you receive an education including critical analysis, logical reasoning, and written and oral expression, the range of acceptable college majors is very broad. What counts is the intensity and depth of your undergraduate program and your capacity to perform well at an academically rigorous level.

### **What does a legal education cover?**

Although you may choose from several different paths to a good legal education, whether the law school you choose is public or private, large or small, faith-related or independent, or affiliated with a university, you'll find that the basic curriculum focuses on certain legal skills required of all lawyers.

A legal education is designed to develop your analytic, creative, and logical reasoning abilities. Going to law school will also straighten your reading and debating skills.

Lawyers must know how to analyze legal issues in light of the constantly changing state of the law and public policy. They must be able to advocate the views of individuals and diverse interest groups within the context of the legal system. They must be able to synthesize material that relates to multifaceted issues. They must give intelligent counsel on the law's requirements. Moreover, lawyers must write and speak clearly and be able to persuade and negotiate effectively.

### **How can I find out more about law schools?**

Visit law school websites or write to law schools for their bulletins, catalogs, or other materials that include complete and current information. A complete list with addresses for all LSAC-member schools in the US and Canada is included at this website: <http://www.lsac.org>

**IMPORTANT NOTE: Read the A.A. or A.S. guide sheet carefully to be sure you meet all course requirements for the Associate degree. Students should also be aware of "Graduation Requirements" listed in the IVCC catalog.**

2/21/18

## Pre-Medicine

Since the majority of students are admitted to Medical Physician programs with a bachelor's degree, it is recommended that students wishing to complete the pre-professional requirements for Medical Physician do so by selecting a major area of study and by fulfilling the Pre-Medicine courses.

Required Sequence in:

Principles of Biology BIO 1003, 1004 (required for all Biology majors)

or

General Biology BIO 1001, 1002

Required Sequence in:

General Chemistry CHM 1006, 1007

and

Organic Chemistry CHM 2002, 2003

Required Sequence in:

General Physics for the Liberal Arts and Sciences PHY 2003, 2004

Highly recommended Sequence in Anatomy and Physiology: BIO 1007, 1008

Highly recommended: Calculus: MTH 2001

Please see a counselor to assist you in your academic plan. Admission is highly competitive based on the Medical College Aptitude Test (MCAT) score; overall GPA, and science GPA.

2/21/18

## Pre-Optometry

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
CHM 1006 General Chemistry I	5	
ENG 1001 English Composition I	3	
MTH 2001 Calculus & Analytic Geometry I	5	
SPH 1001 Fundamentals of Speech	3	
CHM 1007 General Chemistry II		5
ENG 1002 English Composition II		3
Humanities/Fine Arts Group I, II, or III		3
Social Science		3
Year Total:	16	14

### Second Year

	Fall	Credits Spring
BIO 1001 General Biology I or BIO 1003 Principles of Biology or BIO 1007 Anatomy & Physiology I	4	
CHM 2002 Organic Chemistry	5	
Health and Wellness	1	
Humanities Group I	3	
Social Science	3	
BIO 1002 General Biology II or BIO 1004 Biological Diversity or BIO 1008 Anatomy & Physiology II		4
MTH 1008 General Elementary Statistics		3
Elective Course		4
Fine Arts Group II		3
Health and Wellness		1
Social Science		3
Year Total:	16	18

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Total Credit Hours:

64

#### MINIMUM IVCC GRADUATION REQUIREMENTS: ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

Students wishing to transfer for Pre-Optometry can choose any major but need to complete the Pre-Optometry courses prescribed by each university. All State Universities offer a Pre-Optometry curriculum but only limited schools offer the Optometry degree.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study.

2/21/18

# Pre-Pharmacy

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Spring	Credits Summer
BIO 1001 General Biology I or BIO 1003 Principles of Biology	4		
CHM 1006 General Chemistry I	5		
ENG 1001 English Composition I	3		
MTH 2001 Calculus & Analytic Geometry I	5		
BIO 1002 General Biology II or BIO 1004 Biological Diversity		4	
CHM 1007 General Chemistry II		5	
ENG 1002 English Composition II		3	
SPH 1001 Fundamentals of Speech Health and Wellness		3 2	
Gen Ed Humanities/Fine Arts Group I, II, or III			3
Year Total:	17	17	3

## Second Year

	Fall	Spring	Credits Summer
BIO 1007 Anatomy & Physiology I	4		
CHM 2002 Organic Chemistry	5		
PHY 2003 General Physics Social Science	5 3		
BIO 1008 Anatomy & Physiology II		4	
CHM 2003 Organic Chemistry II		5	
PHY 2004 General Physics		5	
Humanities Group I		3	
Gen Ed Fine Arts Group II			3
Gen Ed Social Science			3
Gen Ed Social Science			3
Year Total:	17	17	9

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Total Credit Hours: 80

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ECN 2002, 2003

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

## Pre-Physical Therapy

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Spring	Credits Summer
BIO 1001 General Biology I or BIO 1003 Principles of Biology	4		
ENG 1001 English Composition I	3		
PSY 1000 General Psychology	3		
Fine Arts Group II	3		
Mathematics	5		
BIO 1002 General Biology II or BIO 1004 Biological Diversity		4	
ENG 1002 English Composition II		3	
MTH 1008 General Elementary Statistics		3	
Humanities Group I		3	
Social Science		3	
BIO 1007 Anatomy & Physiology I			4
Year Total:	18	16	4

### Second Year

	Fall	Spring	Credits Summer
CHM 1006 General Chemistry I	5		
PHY 2003 General Physics	5		
Health and Wellness	1		
Social Science	3		
Major Course - Select a Univ. requirement	3		
BIO 1008 Anatomy & Physiology II		4	
PHY 2004 General Physics		5	
SPH 1001 Fundamentals of Speech		3	
Health and Wellness		1	
Humanities/Fine Arts Group I, II, or III		3	
CHM 1007 General Chemistry II			5
Year Total:	17	16	5

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Total Credit Hours:

76

#### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

#### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ALH 1001, MTH 2001, PSY 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

2/21/18

# Pre-Speech Pathology/ Audiology

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
Health and Wellness	1	
Mathematics	3	
ECE 2005 The Exceptional Learner		3
ENG 1002 English Composition II		3
Humanities Group I		3
Life or Physical Science Lab		4
Social Science		3
Year Total:	16	16

## Second Year

	Fall	Credits Spring
PSY 2001 Child Growth and Development	3	
Elective Course	3	
Health and Wellness	1	
Humanities/Fine Arts Group I, II, or III	3	
Life or Physical Science	3	
Social Science	3	
Elective Course		3
Elective Course		3
Humanities/Fine Arts Group I, II, III, or IV		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		4
Year Total:	16	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

BIO 1007 (Fall or Summer only), 1008 (Spring only)  
CHEM 1004 or 1006, PSI 1000, PSY 2004, 2006

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

2/21/18



## Pre-Veterinary Transfer

Since the majority of students are admitted to Veterinary Medicine programs with a bachelor's degree, it is recommended that students wishing to complete the pre-professional requirements for Veterinary Medicine do so by selecting a major area of study and by fulfilling the Pre-Veterinary courses as outlined by the University of Illinois, the only Veterinary Medicine degree in Illinois:

**Required Sequence in:**

Principles of Biology BIO 1003, 1004

or

General Biology BIO 1001, 1002

**Required Sequence in:**

General Chemistry CHM 1006 & 1007

and

Organic Chemistry CHM 2002, 2003

**Required Sequence in:**

General Physical for the Liberal Arts & Sciences: PHY 2003, 2004

Highly recommended sequence in Anatomy & Physiology: BIO 1007, 1008

Highly recommended Calculus: MTH 2001

**Required Sequence in:**

General Physics for the Liberal Arts and Sciences PHY 2003, 2004 Highly recommended Sequence in Anatomy and Physiology: BIO 1007, 1008 3/22/12 Highly recommended: Calculus: MTH 2001 Please see a counselor to assist you in your academic plan. Admission is highly competitive based on the Graduate Readiness Exam (GRE) score, overall GPA, and science GPA. For the class entering Fall of 2009, the average cumulative GPA was a 3.6; Science GPA 3.48; GRE 63% (4.5 written, 520 verbal, 660 analytical (sections). 3/22/12 120 students admitted (75 to 80% are Illinois residents) For current information go to: [vetmed.illinois.edu](http://vetmed.illinois.edu)

Please see a counselor to assist you in your academic plan. Admission is highly competitive based on the Graduate Readiness Exam (GRE) score, overall GPA, and science GPA.

For the class entering Fall of 2009, the average cumulative GPA was a 3.6; Science GPA 3.48; GRE 63% (4.5 written, 520 verbal, 660 analytical)

2/21/18

# Psychology

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
Fine Arts Group II	3	
Life or Physical Science Lab	4	
Mathematics	3	
ENG 1002 English Composition II		3
Health and Wellness		1
Humanities Group I		3
Life or Physical Science		3
Mathematics		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

## Second Year

	Fall	Credits Spring
SPH 1001 Fundamentals of Speech	3	
Health and Wellness	1	
Humanities/Fine Arts Group, I, II, or III	3	
Major Course - Select a Univ. requirement	3	
Major Course - Select a Univ. requirement	4	
PSY 2004 Social Psychology		3
Social Science		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	14	18

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ANT 1000, BIO 1001, 1002, ECE 2005  
 EDC 2000, MTH 1003, 1008, 2001  
 PHL 1001, 1005  
 PSY 2000, 2001, 2005, 206  
 SOC 1000, 1002, 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. 2/21/18

## Recreation/Leisure Studies

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
Fine Arts Group II	3	
Life or Physical Science Lab	4	
Mathematics	3	
ENG 1002 English Composition II		3
SPH 1001 Fundamentals of Speech		3
Humanities Group I		3
Social Science		3
Major Course - Select a Univ. requirement		3
Year Total:	16	15

### Second Year

	Fall	Credits Spring
Elective	3	
Health and Wellness	2	
Humanities/Fine Arts Group I, II, or III	3	
Life or Physical Science	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
Elective		3
Elective		3
Health and Wellness		1
Humanities/Fine Arts Group I, II, III or IV		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	17	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree (See Counselor for semester offering)
- "C" or better in ENG 1001, 1002 and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ACT 1010, 1020, ALH 1001  
 BIO 1007, 1008, CSP 1203  
 ECN 2002, 2003, HPE 1003, 1004  
 MTH 1000, 1008, PSI 1000

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

## Secondary Education

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
Humanities/Fine Arts Group I, II, or Mathematics	3	
Major Course - Select a Univ. requirement	4	
ENG 1002 English Composition II		3
Fine Arts Group II		3
Health and Wellness		1
Life or Physical Science		3
Social Science		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

### Second Year

	Fall	Credits Spring
EDC 2000 Educational Psychology	3	
SPH 1001 Fundamentals of Speech	3	
Health and Wellness	1	
Humanities Group I	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
HIS 2002 History of Latin America		3
Humanities/Fine Arts Group I, II, III or IV		3
Life or Physical Science Lab		4
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	16	16

Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in , ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

BIO 1001, 1003 (Fall only), ECE 2005, EDC 1000, 2003, HIS 2000, 2001, PSI 1000, PSY 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

Students enrolled in Early Childhood Education, Teacher Education or Paraprofessional Education programs at IVCC are required to submit, upon initial enrollment, to a background check through Accurate Biometrics. Students will also submit to ongoing evaluations of professional and ethical disposition indicators throughout their tenure at IVCC. Students are expected to abide by ECE and EDC handbook rules and regulations as well as IVCC Code of Conduct policy and procedures. It is the responsibility of the student to examine school code requirements regarding certification and employment (School Code: 105 ILCS 5/21-23.9 <http://www.ilga.gov>)

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor. 2/21/18

## Social Work

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
BIO 1001 General Biology I or BIO 1003 Principles of Biology	4	
ENG 1001 English Composition I	3	
SOC 1000 Introduction To Sociology	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
ENG 1002 English Composition II		3
MTH 1008 General Elementary Statistics		3
PSY 1000 General Psychology		3
SWK 1000 Introduction To Social Work		3
Humanities Group I		3
Year Total:	16	15

### Second Year

	Fall	Credits Spring
Humanities/Fine Arts Group I, II or III	3	
Physical Science	3	
Social Science	3	
Major Course - Select a Univ. requirement	3	
Major Course - Select a Univ. requirement	3	
Major Course - Select a Univ. requirement	3	
Health and Wellness		2
Humanities/Fine Arts Group I, II, III, or IV		3
Major Course - Select a Univ. requirement		4
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	18	15

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Total Credit Hours:

64

#### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

#### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ART 1000, 1002, BIO 1007, CRJ 1030 (Spring only)  
HPE 1003, HSR 1000, PSI 1000  
PSY 2000, 2005, 2006, SOC 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

# Sociology

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
SOC 1000 Introduction To Sociology	3	
SPH 1001 Fundamentals of Speech	3	
Gen Ed Fine Arts Group II	3	
Gen Ed Health and Wellness	1	
Gen Ed Life or Physical Science	3	
ANT 1000 Introduction To Anthropology		3
ENG 1002 English Composition II		3
Gen Ed Health and Wellness		1
Gen Ed Humanities Group I		3
Gen Ed Life or Physical Science Life		4
Major Course - Select a Univ. requirement		3
Year Total:	16	17

## Second Year

	Fall	Credits Spring
PSY 1000 General Psychology	3	
Elective Course	3	
Gen Ed Humanities/Fine Arts Group I, II, or III	3	
Major Course - Select a Univ. requirement	3	
Major Course - Select a Univ. requirement	3	
Elective Course		3
Elective Course		4
Gen Ed Humanities/Fine Arts Group I, II, III, or IV		3
Gen Ed Mathematics		3
Major Course - Select a Univ. requirement		3
Year Total:	15	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

ANT 1002, GEN 2000, MTH 1008  
PSY 2004, 2005, SOC 1002, 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor

2/21/18

## Special Education

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

### First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
PSY 1000 General Psychology	3	
SPH 1001 Fundamentals of Speech	3	
Fine Arts Group II	3	
Health and Wellness	2	
Social Science	3	
ENG 1002 English Composition II		3
MTH 1010 Structure of Number Systems II		3
Life or Physical Science Lab		4
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		4
Year Total:	17	17

### Second Year

	Fall	Credits Spring
PSY 2001 Child Growth and Development	3	
Elective Course	3	
Humanities Group I	3	
Humanities/Fine Arts Group I, II, or III	3	
Life or Physical Science	3	
ECE 2005 The Exceptional Learner		3
Elective Course		3
Humanities/Fine Arts Group I, II, III, or IV		3
Major Course - Select a Univ. requirement		3
Major Course - Select a Univ. requirement		3
Year Total:	15	15

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Total Credit Hours:

64

#### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)

ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER: CSI 1002, ECE 1000, 2003, EDC 1203, 2000, 2003, 2006, GEG 1004 (Spring only), HIS 2000, 2001, HPE 1003, MTH 1008, 1009, PSI 1000, PSY 2000, SOC 1000, 2001

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science. Please note that any student enrolling in an education course that includes a clinical experience/observation component may be subject to an Illinois State Police background check at the student's expense to ensure the safety of the children being observed. Students enrolled in Early Childhood Education, Teacher Education or Paraprofessional Education programs at IVCC are required to submit, upon initial enrollment, to a background check through Accurate Biometrics.

Students will also submit to ongoing evaluations of professional and ethical disposition indicators throughout their tenure at IVCC. Students are expected to abide by ECE and EDC handbook rules and regulations as well as IVCC Code of Conduct policy and procedures. It is the responsibility of the student to examine school code requirements regarding certification and employment (School Code: 105 ILCS 5/21-23.9 <http://www.ilga.gov>) There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18



# Theatre

Prerequisites for specific courses are noted in the IVCC Catalog.

WHAT FOLLOWS IS A SAMPLE CURRICULUM FOR FULL-TIME STUDENTS pursuing either an Associate in Arts Degree or Associate in Science Degree (guide sheets in Counseling Center). Program requirements vary from university to university. Consult a Counselor to choose your courses.

## First Year

	Fall	Credits Spring
ENG 1001 English Composition I	3	
SPH 1001 Fundamentals of Speech	3	
THE 1005 Theatre Play Production	3	
Mathematics	4	
Major Course - Select a Univ. requirement	3	
ENG 1002 English Composition II		3
THE 2005 Theatre Play Production		3
Humanities Group I		3
Social Science		3
Life or Physical Science Lab		4
Year Total:	16	16

## Second Year

	Fall	Credits Spring
THE 1005 Theatre Play Production	3	
Fine Arts Group II	3	
Humanities/Fine Arts Group I, II, III or IV	3	
Health and Wellness	1	
Social Science	3	
Life or Physical Science	3	
THE 2005 Theatre Play Production		3
Elective Course		3
Elective Course		3
Humanities/Fine Arts Group I, II, or III		3
Health and Wellness		1
Social Science		3
Year Total:	16	16

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Total Credit Hours:

64

### MINIMUM IVCC GRADUATION REQUIREMENTS:

- Minimum 64 Semester Hours with 2.0 GPA
- Gen Ed Requirements for AA or AS degree
- "C" or better in ENG 1001, ENG 1002, and SPH 1001
- Global Appreciation Requirement (2 courses)
- Application for Graduation

### ADDITIONAL MAJOR/ELECTIVE COURSES TO CONSIDER:

EDC 2000, FLM 2009 (Fall only), 2010 (Spring only)  
HFA 1007, MUS 1000, THE 1006, 2002

For Science Gen Ed requirements 1 course must be completed in Life Science and 1 course in Physical Science.

There may be additional requirements for transfer admission not included in the sample curriculum above. Consult with a Counselor to develop your individual plan of study. 2/21/18

# Associate of Arts

## General Education Guide Sheet For Your Majors

The Associate of Arts degree requires completion of **64 semester hours** including the general education requirements listed below with a cumulative GPA of 2.0 on a 4.0 scale. **All requirements on this guide sheet must be met to receive the degree. To determine appropriate courses meet with a counselor.** It is the student's responsibility to study carefully the catalog of the institution to which they plan to transfer so the choice of courses in their major field of study will apply toward fulfillment of the baccalaureate degree graduation requirement.

### COMMUNICATIONS 3 courses (9 semester hours)

IVCC Course	Course Title	IAI Course	Semester Hours
ENG 1001	English Composition I <sup>+</sup>	C1 900	3
ENG 1002	English Composition II <sup>+</sup>	C1 901R	3
SPH 1001	Fundamentals of Speech <sup>+</sup>	C2 900	3

### MATHEMATICS Select 1 course

IVCC Course	Course Title	IAI Course	Semester Hours
ECN 2004	Business Statistics <sup>*</sup>	M1 902; BUS 901	3
MTH 1000	Math for Liberal Arts <sup>*</sup>	M1 904	3
MTH 1006	Finite Mathematics <sup>*</sup>	M1 906	4
MTH 1007	Calculus for Bus. & Soc. Sciences	M1900B	4
MTH 1008	General Elementary Statistics	M1 902	3
MTH 1010	Structure of Number Systems II	M1 903	3
MTH 2001	Calculus & Analytic Geometry I	M1 900-1; MTH 901	5
MTH 2002	Calculus & Analytic Geometry II	M1 900-2; MTH 902	4
MTH 2003	Calculus & Analytic Geometry III	M1 900-3; MTH 903	4

**LIFE & PHYSICAL SCIENCES** 2 courses ("Lab" denotes lab course.)  
(Min. of 7 semester hours to include 1 lab course)

### LIFE SCIENCES Select 1 course

IVCC Course	Course Title	IAI Course	Semester Hours
BIO 1000	The Global Environment <sup>G</sup>	L1 905	3
BIO 1001	General Biology I (Lab)	L1 900L	4
BIO 1003	Principles of Biology (Lab) <sup>*</sup>	L1 910L; BIO 910	4

### PHYSICAL SCIENCES Select 1 course

IVCC Course	Course Title	IAI Course	Semester Hours
CHM 1000	Introduction To Chemistry	P1 902	3
CHM 1004	Chemistry (Lab) <sup>*</sup>	P1 902L	4
CHM 1006	General Chemistry I (Lab)	P1 902L; CHM 911	5
GEG 1001	Weather & Climate (Lab)	P1 909L	4
GEG 1002	Physical Geography (Lab)	P1 909L	4
GEG 1005	Introduction To Astronomy (Lab)	P1 906L	4
GEL 1005	Natural Disasters	P1 908	3
GEL 1006	Introduction To Oceanography	P1 905	3
GEL 1007	Environmental Geology (Lab)	P1 908L	4
GEL 1008	Physical Geology (Lab)	P1 907L	4
GEL 1009	Historical Geology (Lab)	P1 907L	4

PHY 1001	General Physics <sup>*</sup>	P2 900L	5
PHY 2003	General Physics (Lab) <sup>*</sup>	P1 900L	5
PSC 1000	Intro To Physical Science (Lab)	P9 900	3

### HUMANITIES AND FINE ARTS 4 courses (12 semester hours)

One course from Humanities Group I; 1 course from Fine Arts Group II; 1 course from Group I or II; 1 course from Group I, II, III or IV; Group III course may be used for Group I or II.

#### HUMANITIES Group I

IVCC Course	Course Title	IAI Course	Semester Hours
FEN 2002	Intermediate French II <sup>*</sup>	H1 900	4
GEN 2000	Women Through Culture and Centuries	H9 900	3
GEN 2002	Women in Literature <sup>+G</sup>	H3 911D	3
GER 2002	Intermediate German II <sup>*</sup>	H1 900	4
HIS 1000	History of Western Civilization I	H2 901	3
HIS 1001	History of Western Civilization II <sup>G</sup>	H2 902	3
LIT 2000	Survey of American Lit I <sup>*</sup>	H3 914	3
LIT 2001	Major English Writers I <sup>*</sup>	H3 912	3
LIT 2005	Children's Literature <sup>*</sup>	H3 918	3
LIT 2010	Survey of American Literature II	H3 915	3
LIT 2011	Major English Writers II <sup>*</sup>	H3 913	3
LIT 2013	Fiction <sup>*</sup>	H3 901	3
LIT 2021	Intro To Shakespeare I <sup>*</sup>	H3 905	3
PHL 1001	Introduction To Philosophy	H4 900	3
PHL 1002	Ethics	H4 904	3
PHL 1003	Philosophy of Religion <sup>G</sup>	H4 905	3
PHL 1005	Logic	H4 906	3
PHL 1013	Comparative Religions <sup>G</sup>	H5 904N	3
SPN 2002	Intermediate Spanish II <sup>*</sup>	H1 900	4

#### FINE ARTS Group II

IVCC Course	Course Title	IAI Course	Semester Hours
ART 1000	Art Survey	F2 901	3
ART 1010	Art Survey II	F2 902	3
FLM 2009	The Art of The Film	F2 902	3
MUS 1000	Music Appreciation	F1 901	3
THE 2002	Introduction To Theatre	F1 908	3

#### HUMANITIES/FINE ARTS Group III

IVCC Course	Course Title	IAI Course	Semester Hours
FLM 2010	Film, Art & Literature	HF 900	3
GEN 2001	Women in Ancient Cultures	HF 907D	3
HFA 1000	Appreciation of Arts	HF 900	3

#### ADDT'L HUMANITIES/FINE ARTS Group IV

IVCC Course	Course Title	IAI Course	Semester Hours
FEN 1001	Elementary French I <sup>*</sup>		4
FEN 1002	Elementary French II <sup>*</sup>		4
FEN 2001	Intermediate French I		4
FEN 2003	Composition & Conversation		3
GER 1001	Elementary German I <sup>*</sup>		4
GER 1002	Elementary German II <sup>*</sup>		4
GER 2001	Intermediate German I <sup>*</sup>		4
GER 2003	Composition & Conversation		3
GER 2004	Survey of German Literature		3

SPN 1001	Elementary Spanish I *	4
SPN 1002	Elementary Spanish II *	4
SPN 2001	Intermediate Spanish I *	4
SPN 2003	Composition and Grammar	3
SPN 2004	Survey of Spanish Literature	3

**SOCIAL SCIENCES** 3 courses (9 hours must be selected from at least two disciplines.)

IVCC Course	Course Title	IAI Course	Semester Hours
ANT 1000	Introduction To Anthropology	S1 900N	3
ANT 1002	Cultural Anthropology <sup>G</sup>	S1 901N	3
ECN 2002	Principles of Microeconomics	S3 902	3
ECN 2003	Principles of Macroeconomics	S3901	3
GEG 1003	Cultural Geography <sup>G</sup>	S4 900N	3
GEG 1004	World Regional Geography <sup>G</sup>	S4 900N	3
HIS 2000	United States History To 1865	S2 900	3
HIS 2001	United States History From 1865	S2 901	3
HIS 2002	History of Latin America <sup>G</sup>	S2 920N	3
HIS 2006	History of Middle Eastern Civilization <sup>G</sup>	S2 920N	3
HIS 2007	History & Civilization of China <sup>G</sup>	S2 920N	3
HIS 2008	Modern Africa <sup>G</sup>	S2 920N	3
PSI 1000	American National Government	S5 900	3
PSI 1002	State and Local Government	S5 902	3
PSI 2000	International Relations <sup>G</sup>	S5 904N	3
PSY 1000	General Psychology	S6 900	3
PSY 2001	Child Growth and Development	S6 903; ECE 912	3
PSY 2004	Social Psychology *	S8 900	3
SOC 1000	Introduction To Sociology <sup>G</sup>	S7 900	3
SOC 1002	Marriage and Family *	S7 902	3
SOC 2001	Social Problems *	S7 901	3

**GLOBAL APPRECIATION** 2 courses

IVCC Course	Course Title	IAI Course	Semester Hours
ANT 1000	Introduction To Anthropology <sup>G</sup>	S1 900N	3
ANT 1002	Cultural Anthropology <sup>G</sup>	S1 901N	3
BIO 1000	The Global Environment <sup>G</sup>	L1 905	3
BUS 2000	International Business <sup>G</sup>		3
EDC 2006	Multicultural Educ:Agent for Change		3
GEG 1003	Cultural Geography <sup>G</sup>	S4 900N	3
GEG 1004	World Regional Geography <sup>G</sup>	S4 900N	3
GEN 2002	Women in Literature <sup>*G</sup>	H3 911D	3
HIS 1001	History of Western Civilization II <sup>G</sup>	H2 902	3
HIS 2002	History of Latin America <sup>G</sup>	S2 920N	3
HIS 2006	History of Middle Eastern Civilization <sup>G</sup>	S2 920N	3
HIS 2007	History & Civilization of China <sup>G</sup>	S2 920N	3
HIS 2008	Modern Africa <sup>G</sup>	S2 920N	3
PHL 1003	Philosophy of Religion <sup>G</sup>	H4 905	3
PHL 1013	Comparative Religions <sup>G</sup>	H5 904N	3
PSI 1003	Introduction To Global Studies <sup>G</sup>		3

PSI 2000	International Relations <sup>G</sup>	S5 904N	3
SOC 1000	Introduction To Sociology <sup>G</sup>	S7 900	3

#### HEALTH & WELLNESS (2 Semester Hours)

IVCC Course	Course Title	IAI Course	Semester Hours
ALH 1030	Yoga		2
ALH 1031	T'ai Chi		2
HPE 1000	Wellness		1
HPE 1001	Wellness Lab		1
HPE 1003	Personal and Community Health		2
HPE 1004	First Aid		2
HPE 1020	Physical Fitness I *		1
HPE 1021	Physical Fitness II *		1

5/1/18

#### Total Hours required 64

\*Prerequisite  
+ Only grade of "C" or above will count toward meeting graduation requirement.  
Sixty (60) semester hours must have a "0" second digit "baccalaureate-oriented." Four (4) semester hours may be "2" second digit occupationally oriented.

G denotes Global Appreciation

#### CHOOSE ELECTIVES BASED ON MAJOR

# Associate of Science

## General Education Guide Sheet For Your Majors

The Associate of Science degree requires completion of **64 semester hours** including the general education requirements listed below with a cumulative GPA of 2.0 on a 4.0 scale. **All requirements on this guide sheet must be met to receive the degree. To determine appropriate courses meet with a counselor.** It is the student's responsibility to study carefully the catalog of the institution to which they plan to transfer so the choice of courses in their major field of study will apply toward fulfillment of the baccalaureate degree graduation requirement.

### COMMUNICATIONS 3 courses (9 semester hours)

IVCC Course	Course Title	IAI Course	Semester Hours
ENG 1001	English Composition I <sup>+</sup>	C1 900	3
ENG 1002	English Composition II <sup>+</sup>	C1 901R	3
SPH 1001	Fundamentals of Speech <sup>+</sup>	C2 900	3

**MATHEMATICS** 2 courses (min. 6 semester hours) 1 course from Group I; 1 course from Group I or II.

### MATHEMATICS Group I (Min. 1 course)

IVCC Course	Course Title	IAI Course	Semester Hours
ECN 2004	Business Statistics <sup>*</sup>	M1 902; BUS 901	3
MTH 1000	Math for Liberal Arts <sup>*</sup>	M1 904	3
MTH 1006	Finite Mathematics <sup>*</sup>	M1 906	4
MTH 1007	Calculus for Bus. & Soc. Sciences	M1900B	4
MTH 1008	General Elementary Statistics	M1 902	3
MTH 1010	Structure of Number Systems II	M1 903	3
MTH 2001	Calculus & Analytic Geometry I	M1 900-1; MTH 901	5
MTH 2002	Calculus & Analytic Geometry II	M1 900-2; MTH 902	4
MTH 2003	Calculus & Analytic Geometry III	M1 900-3; MTH 903	4

### MATHEMATICS Group II

IVCC Course	Course Title	IAI Course	Semester Hours
MTH 1003	College Algebra <sup>*</sup>		4
MTH 1004	Trigonometry		3
MTH 1005	Precalculus		5
MTH 1009	Structure of Number Systems I		3
MTH 1011	Dimensions of Math Understanding		3

### LIFE & PHYSICAL SCIENCES 3 courses (min. 10 semester hours)

One course from Life Science Group I; 1 course from Physical Science Group II; (1 must be lab course from I or II); 1 course from Group I, II, or III. "Lab" denotes lab course.

### LIFE SCIENCES Group I (1 course)

IVCC Course	Course Title	IAI Course	Semester Hours
BIO 1000	The Global Environment <sup>G</sup>	L1 905	3
BIO 1001	General Biology I (Lab)	L1 900L	4
BIO 1003	Principles of Biology (Lab)	L1 910L; BIO 910	4

### PHYSICAL SCIENCES Group II (1 course)

IVCC Course	Course Title	IAI Course	Semester Hours
CHM 1000	Introduction To Chemistry <sup>*</sup>	P1 902	3
CHM 1004	Chemistry (Lab)	P1 902L	4
CHM 1006	General Chemistry I (Lab)	P1 902L; CHM 911	5
GEG 1001	Weather & Climate (Lab)	P1 909L	4
GEG 1002	Physical Geography (Lab)	P1 909L	4
GEG 1005	Introduction To Astronomy (Lab)	P1 906L	4
GEL 1005	Natural Disasters	P1 908	3
GEL 1006	Introduction To Oceanography	P1 905	3
GEL 1007	Environmental Geology (Lab)	P1 908L	4
GEL 1008	Physical Geology (Lab)	P1 907L	4
GEL 1009	Historical Geology (Lab)	P1 907L	4
PHY 1001	General Physics (Lab)	P2 900L	5
PHY 2003	General Physics (Lab)	P1 900L	5
PSC 1000	Intro To Physical Science	P9 900	3

### ADDT'L LIFE SCIENCE/PHYSICAL SCIENCE Group III

IVCC Course	Course Title	IAI Course	Semester Hours
BIO 1002	General Biology II (Lab)		4
BIO 1004	Biological Diversity (Lab)	L1 910L; BIO 910	4
BIO 1007	Anatomy & Physiology I (Lab)		4
BIO 1008	Anatomy & Physiology II (Lab)		4
BIO 1009	Microbiology (Lab)		4
CHM 1005	Survey of Organic & Biochemistry (Lab)		4
CHM 1007	General Chemistry II (Lab)	CHM 912	5
CHM 2002	Organic Chemistry (Lab)	CHM 913	5
CHM 2003	Organic Chemistry II (Lab)	CHM 914	5
PHY 2001	General Physics (Lab)		4
PHY 2002	General Physics (Lab)		4
PHY 2004	General Physics (Lab)		5

### HUMANITIES AND FINE ARTS 3 courses (9 semester hours)

One course from Humanities Group I; 1 course from Fine Arts Group II; 1 course from Group I or II; Group III course may be used for Group I or II.

### HUMANITIES Group I (Min.1 course)

IVCC Course	Course Title	IAI Course	Semester Hours
FEN 2002	Intermediate French II <sup>*</sup>	H1 900	4
GEN 2000	Women Through Culture and Centuries	H9 900	3
GEN 2002	Women in Literature <sup>+G</sup>	H3 911D	3
GER 2002	Intermediate German II <sup>*</sup>	H1 900	4
HIS 1000	History of Western Civilization I	H2 901	3
HIS 1001	History of Western Civilization II <sup>G</sup>	H2 902	3
LIT 2000	Survey of American Lit I <sup>*</sup>	H3 914	3
LIT 2001	Major English Writers I <sup>*</sup>	H3 912	3
LIT 2005	Children's Literature <sup>*</sup>	H3 918	3
LIT 2010	Survey of American Literature II	H3 915	3
LIT 2011	Major English Writers II <sup>*</sup>	H3 913	3
LIT 2013	Fiction <sup>*</sup>	H3 901	3
LIT 2021	Intro To Shakespeare I <sup>*</sup>	H3 905	3
PHL 1001	Introduction To Philosophy	H4 900	3
PHL 1002	Ethics	H4 904	3
PHL 1003	Philosophy of Religion <sup>G</sup>	H4 905	3
PHL 1005	Logic	H4 906	3

PHL 1013	Comparative Religions <sup>G</sup>	H5 904N	3
SPN 2002	Intermediate Spanish II <sup>*</sup>	H1 900	4

**FINE ARTS Group II** (Min. 1 course)

IVCC Course	Course Title	IAI Course	Semester Hours
ART 1000	Art Survey	F2 901	3
ART 1010	Art Survey II	F2 902	3
FLM 2009	The Art of The Film	F2 902	3
MUS 1000	Music Appreciation	F1 901	3
THE 2002	Introduction To Theatre	F1 908	3

**HUMANITIES/FINE ARTS Group III**

IVCC Course	Course Title	IAI Course	Semester Hours
FLM 2010	Film, Art & Literature	HF 900	3
GEN 2001	Women in Ancient Cultures	HF 907D	3
HFA 1000	Appreciation of Arts	HF 900	3

**SOCIAL SCIENCES** (3 courses) (9 hours must be selected from at least 2 disciplines.)

IVCC Course	Course Title	IAI Course	Semester Hours
ANT 1000	Introduction To Anthropology <sup>G</sup>	S1 900N	3
ANT 1002	Cultural Anthropology <sup>G</sup>	S1 901N	3
ECN 2002	Principles of Microeconomics	S3 902	3
ECN 2003	Principles of Macroeconomics	S3901	3
GEG 1003	Cultural Geography <sup>G</sup>	S4 900N	3
GEG 1004	World Regional Geography <sup>G</sup>	S4 900N	3
HIS 2000	United States History To 1865	S2 900	3
HIS 2001	United States History From 1865	S2 901	3
HIS 2002	History of Latin America <sup>G</sup>	S2 920N	3
HIS 2006	History of Middle Eastern Civilization <sup>G</sup>	S2 920N	3
HIS 2007	History & Civilization of China <sup>G</sup>	S2 920N	3
HIS 2008	Modern Africa <sup>G</sup>	S2 920N	3
PSI 1000	American National Government	S5 900	3
PSI 1002	State and Local Government	S5 902	3
PSI 2000	International Relations <sup>G</sup>	S5 904N	3
PSY 1000	General Psychology	S6 900	3
PSY 2001	Child Growth and Development	S6 903; ECE 912	3
PSY 2004	Social Psychology <sup>*</sup>	S8 900	3
SOC 1000	Introduction To Sociology <sup>G</sup>	S7 900	3
SOC 1002	Marriage and Family <sup>*</sup>	S7 902	3
SOC 2001	Social Problems <sup>*</sup>	S7 901	3

**GLOBAL APPRECIATION** 2 courses

IVCC Course	Course Title	IAI Course	Semester Hours
ANT 1000	Introduction To Anthropology <sup>G</sup>	S1 900N	3
ANT 1002	Cultural Anthropology <sup>G</sup>	S1 901N	3
BIO 1000	The Global Environment <sup>G</sup>	L1 905	3
BUS 2000	International Business <sup>G</sup>		3
EDC 2006	Multicultural Educ:Agent for Change <sup>G</sup>		3
GEG 1003	Cultural Geography <sup>G</sup>	S4 900N	3
GEG 1004	World Regional Geography <sup>G</sup>	S4 900N	3

GEN 2002	Women in Literature <sup>G</sup>	H3 911D	3
HIS 1001	History of Western Civilization II <sup>G</sup>	H2 902	3
HIS 2002	History of Latin America <sup>G</sup>	S2 920N	3
HIS 2006	History of Middle Eastern Civilization <sup>G</sup>	S2 920N	3
HIS 2007	History & Civilization of China <sup>G</sup>	S2 920N	3
HIS 2008	Modern Africa <sup>G</sup>	S2 920N	3
PHL 1003	Philosophy of Religion <sup>G</sup>	H4 905	3
PHL 1013	Comparative Religions <sup>G</sup>	H5 904N	3
PSI 1003	Introduction To Global Studies <sup>G</sup>		3
PSI 2000	International Relations <sup>G</sup>	S5 904N	3
SOC 1000	Introduction To Sociology <sup>G</sup>	S7 900	3

**HEALTH & WELLNESS** (2 Semester Hours)

IVCC Course	Course Title	IAI Course	Semester Hours
ALH 1030	Yoga		2
ALH 1031	T'ai Chi		2
HPE 1000	Wellness		1
HPE 1001	Wellness Lab		1
HPE 1003	Personal and Community Health		2
HPE 1004	First Aid		2
HPE 1020	Physical Fitness I <sup>*</sup>		1
HPE 1021	Physical Fitness II <sup>*</sup>		1

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**Total Hours required 64****\*Prerequisite**

+ Only grade of "C" or above will count toward meeting graduation requirement.

Sixty (60) semester hours must have a "0" second digit "baccalaureate-oriented." Four (4) semester hours may be "2" second digit occupationally oriented. G denotes Global Appreciation

**CHOOSE ELECTIVES BASED ON MAJOR**

# Associate in Engineering Science Degree (AES)

## General Education Guide Sheet

The Associate in Engineering Science degree requires completion of **64 semester hours** including the general education requirements listed below with a cumulative GPA of 2.0 on a 4.0 scale. **All requirements on this guide sheet must be met to receive the degree. To determine appropriate courses meet with a counselor.** It is the student's responsibility to study carefully the catalog of the institution to which they plan to transfer so the choice of courses in their major field of study will apply toward fulfillment of the baccalaureate degree graduation requirement.

### COMMUNICATIONS (Must complete all courses)

		Credit Hours
ENG 1001	English Composition I <sup>+</sup> *	3
ENG 1002	English Composition II <sup>+</sup> *	3
SPH 1001	Fundamentals of Speech <sup>+</sup>	3

### MATHEMATICS (Must complete all courses)

		Credit Hours
MTH 2001	Calculus & Analytic Geometry I <sup>*</sup>	5
MTH 2002	Calculus & Analytic Geometry II <sup>*</sup>	4
MTH 2003	Calculus & Analytic Geometry III <sup>*</sup>	4

### PHYSICAL & LIFE SCIENCES

#### PHYSICAL SCIENCES (Must complete all courses)

		Credit Hours
CHM 1006	General Chemistry I <sup>*</sup>	5
PHY 1001	General Physics <sup>*</sup>	5
PHY 2001	General Physics <sup>*</sup>	4
PHY 2002	General Physics <sup>*</sup>	4

#### LIFE SCIENCES (Select one course)

		Credit Hours
BIO 1000	The Global Environment	3
BIO 1001	General Biology I	4
BIO 1003	Principles of Biology <sup>*</sup>	4

### HUMANITIES AND FINE ARTS

3 courses (9 semester hours) Choose from the following: 1 course from Group I; 1 course from Group II; 1 course from Group I-III.

#### HUMANITIES Group I (1 course)

		Credit Hours
FEN 2002	Intermediate French II <sup>*</sup>	4
GEN 2000	Women Through Culture and Centuries	3
GEN 2002	Women in Literature	3
GER 2002	Intermediate German II <sup>*</sup>	4
HIS 1000	History of Western Civilization I	3
HIS 1001	History of Western Civilization II	3
HIS 2005	History & Culture of The Third World	3
LIT 2000	Survey of American Lit I <sup>*</sup>	3
LIT 2001	Major English Writers I	3
LIT 2005	Children's Literature	3
LIT 2010	Survey of American Literature II <sup>*</sup>	3
LIT 2011	Major English Writers II	3
LIT 2013	Fiction <sup>*</sup>	3
LIT 2021	Intro To Shakespeare I <sup>*</sup>	3
PHL 1001	Introduction To Philosophy	3
PHL 1002	Ethics	3
PHL 1003	Philosophy of Religion	3
PHL 1005	Logic	3
PHL 1013	Comparative Religions <sup>*</sup>	3
SPN 2002	Intermediate Spanish II	4



**FINE ARTS Group II (1 course)**

		<b>Credit Hours</b>
ART 1000	Art Survey	3
ART 1010	Art Survey II	3
FLM 2009	The Art of The Film	3
MUS 1000	Music Appreciation	3
THE 2002	Introduction To Theatre	3

**HUMANITIES/FINE ARTS Group III**

		<b>Credit Hours</b>
FLM 2010	Film, Art & Literature	3
GEN 2001	Women in Ancient Cultures *	3
HFA 1000	Appreciation of Arts	3

**SOCIAL SCIENCES**

3 courses (9 semester hours) must be selected from at least two disciplines.

		<b>Credit Hours</b>
ANT 1000	Introduction To Anthropology	3
ANT 1002	Cultural Anthropology	3
ECN 2002	Principles of Microeconomics *	3
ECN 2003	Principles of Macroeconomics *	3
GEG 1003	Cultural Geography	3
GEG 1004	World Regional Geography	3
HIS 2000	United States History To 1865	3
HIS 2001	United States History From 1865	3
HIS 2002	History of Latin America	3
HIS 2006	History of Middle Eastern Civilization	3
HIS 2007	History & Civilization of China	3
HIS 2008	Modern Africa	3
PSI 1000	American National Government	3
PSI 1002	State and Local Government	3
PSI 2000	International Relations	3
PSY 1000	General Psychology	3
PSY 2001	Child Growth and Development *	3
PSY 2004	Social Psychology *	3
SOC 1000	Introduction To Sociology	3
SOC 1002	Marriage and Family	3
SOC 2001	Social Problems	3

ELECTIVES: **TOTAL HOURS REQUIRED 64** Associate in Engineering Science

\* See college catalog for prerequisites.

\*\* Sixty (60) semester hours must have a "0" second digit "baccalaureate-oriented."  
Four (4) semester hours may be "2" occupationally oriented.

+ Only grade of "C" or above will count toward meeting graduation requirement.

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## Associate in General Studies

The Associate in General Studies Degree (AGS) requires completion of **64 semester hours** and is an individualized degree that meets the needs and interests of the student. This degree allows for the combination of both transfer and career courses. While not intended to be a transfer degree, the AGS degree recognizes completion of 64 semester hours of credit with a minimum cumulative GPA of 2.0. The requirements of the degree are listed below. General Education requirements for this degree are met by successful completion of courses approved in the curriculum areas listed below.

### GENERAL EDUCATION REQUIREMENTS FOR A.G.S. DEGREE

(Select from course prefixes listed below)

Curriculum Area	Minimum Credit Hours	Minimum # of Courses
Communications	6	2
Computer Science	3	1
Health & Wellness	1	1
Humanities/Fine Arts*	1	1
Mathematics	3	1
Science	3	1
Social Sciences	3	1
Total	20	8

\* All Humanities/Fine Arts courses listed for either the AA or AS degree will meet requirement.

### Additional Area of Concentration Required

The student pursuing this degree will be required to take twelve (12) additional credit hours beyond the minimum of eight (8) courses in General Education. These twelve additional credit hours must be taken from one of the following curriculum areas and must be college level credit.

Curriculum Area Prefix of Courses

Curriculum Area	Prefix of Courses
Agriculture	AGR, HRT
Business	ACT, BFC, BUL, BUS, CSM, ECN, FIN, MGT, MKT
Communication	ENG (Communication Courses), JRN, SPH
Computer Science	CSD, CSG, CSI, CSM, CSN, CSO, CSP, CSS, CST, CSW, EBS
English	ENG, LIT
Education	ECE, EDC
Fine Arts/Graphic Design	ART, GDT, MUP, MUS, THE
Foreign Languages	FEN, GER, ITL, JPN, POL, RUS, SPN
Health & Wellness	ALH, DLA, EMT, HPE, EMS, NUR, THM
Humanities	FLM, GEN, HFA, HIS 1000, 1001, HON, LDS, LIB, PHL, RED, SFC
Industrial Technology	ATO, CAD, CCT, CET, CNC, DFT, ELE, ELT, GNT, HVC, IMT, MET, MTL, PLT, PWS, RBA, SER, WED, WLD, WWT
Mathematics	BUS (Math for Business and Finance) MTH, ECN (Statistics)
Science	BIO, CHM, GEG, GEL, GIS, PHY, PSC, TAM
Social Science & Public Service	ANT, CRJ, ECN, (except ECN 2004) FRS, FSS, FSP, FST, HIS (except for 1000 & 1001), HOS, HSR, PSI, PSY, SOC, SWK

## Illinois Articulation Initiative

Illinois Valley Community College has agreements with several state and private universities to ensure ease of transfer of credits. Guidelines for completing the first two years of a college major along with listings of transfer course equivalencies are available in the Counseling Center. Also, information on course equivalencies is available at the following Web site: <http://www.ivcc.edu/transferservices>.

Most students who transfer complete an Associate of Arts or Associate of Science Degree. This degree ensures the transfer of courses to a college or university that participates in the statewide Illinois Articulation Initiative (IAI). Upon transfer, students with the degree have met lower level general education requirements and attain junior class status. Since some college majors require certain general education courses, students should always consult with an IVCC counselor. Currently 110 Illinois college and universities are IAI participants. The Web site for IAI is: <http://www.itransfer.org/>.

The Associate of Arts (AA) and Associate Science (AS) are degrees that incorporate the IAI General Education Core Curriculum (GECC). Students transferring without the AA or AS degree, but desire to transfer with the completion of the GECC are to meet the requirements as listed below. IAI will be noted on transcript that meet the requirements effective Summer 2011.

## Illinois Articulation Initiative

General Education Core for Illinois Valley Community College

### Communications

3 courses (9 semester hours)

IAI Course	IVCC Course	Course Title	Semester Hours
C1 900	ENG 1001	English Composition I <sup>+</sup>	3
C1 901R	ENG 1002	English Composition II <sup>+</sup>	3
C2 900	SPH 1001	Fundamentals of Speech <sup>+</sup>	3

+ Minimum grade of "C" required.

### Mathematics

1 or 2 courses (3 to 6 semester hours)

IAI Course	IVCC Course	Course Title	Semester Hours
MI 902	ECN 2004	Business Statistics	3
MI 904	MTH 1000	Math for Liberal Arts	3
MI 906	MTH 1006	Finite Mathematics	4
M1 900-B	MTH 1007	Calculus for Bus. & Soc. Sciences	4
MI 902	MTH 1008	General Elementary Statistics	3
MI 903	MTH 1010	Structure of Number Systems II	3
M1 900-1	MTH 2001	Calculus & Analytic Geometry I	5
M1 900-2	MTH 2002	Calculus & Analytic Geometry II	4
M1 900-3	MTH 2003	Calculus & Analytic Geometry III	4

### Physical and Life Sciences

2 courses (7 to 8) semester hours. At least one lab (L) course. One course selected from Physical Science; 1 course selected from Life Science.

#### Physical Sciences

IAI Course	IVCC Course	Course Title	Semester Hours
P1 902	CHM 1000	Introduction To Chemistry	3
P1 902L	CHM 1004	Chemistry	4
P1 902L	CHM 1006	General Chemistry I	5
P1 909L	GEG 1001	Weather & Climate	4
P1 909L	GEG 1002	Physical Geography	4
P1 906L	GEG 1005	Introduction To Astronomy	4
P1 908	GEL 1005	Natural Disasters	3
P1 905	GEL 1006	Introduction To Oceanography	3
P1 908L	GEL 1007	Environmental Geology	4
P1 907L	GEL 1008	Physical Geology	4
P1 907L	GEL 1009	Historical Geology	4
P2 900L	PHY 1001	General Physics	5
P1 900L	PHY 2003	General Physics	5
P9 900	PSC 1000	Intro To Physical Science	3

### Life Sciences

IAI Course	IVCC Course	Course Title	Semester Hours
L1 905	BIO 1000	The Global Environment	3
L1 900L	BIO 1001	General Biology I	4
L1 910L	BIO 1003	Principles of Biology	4

### Humanities and Fine Arts

3 courses (9 semester hours). One course selected from Humanities; 1 course selected from Fine Arts; 1 course from Humanities or Fine Arts. 1 course may be used for either Humanities or Fine Arts credit.

#### Humanities

IAI Course	IVCC Course	Course Title	Semester Hours
H1 900	FEN 2002	Intermediate French II	4
H9 900	GEN 2000	Women Through Culture and Centuries	3
H3 911D	GEN 2002	Women in Literature	3
H1 900	GER 2002	Intermediate German II	4
H2 901	HIS 1000	History of Western Civilization I	3
H2 902	HIS 1001	History of Western Civilization II	3
H2 903N	HIS 2005	History & Culture of The Third World	3
H3 914	LIT 2000	Survey of American Lit I	3
H3 912	LIT 2001	Major English Writers I	3
H3 918	LIT 2005	Children's Literature	3
H3 915	LIT 2010	Survey of American Literature II	3
H3 913	LIT 2011	Major English Writers II	3
H3 901	LIT 2013	Fiction	3
H3 905	LIT 2021	Intro To Shakespeare I	3
H4 900	PHL 1001	Introduction To Philosophy	3
H4 904	PHL 1002	Ethics	3
H4 905	PHL 1003	Philosophy of Religion	3
H4 906	PHL 1005	Logic	3
H5 904N	PHL 1013	Comparative Religions	3
H1 900	SPN 2002	Intermediate Spanish II	4

#### Fine Arts

IAI Course	IVCC Course	Course Title	Semester Hours
F2 901	ART 1000	Art Survey	3
F2 902	ART 1010	Art Survey II	3
F2 902	FLM 2009	The Art of The Film	3
F1 901	MUS 1000	Music Appreciation	3
F1 908	THE 2002	Introduction To Theatre	3

#### Humanities/Fine Arts

IAI Course	IVCC Course	Course Title	Semester Hours
HF 900	FLM 2010	Film, Art & Literature	3
HF 907D	GEN 2001	Women in Ancient Cultures	3
HF 900	HFA 1000	Appreciation of Arts	3

### Social and Behavioral Sciences

3 courses (9 semester hours). Courses must be selected from at least two disciplines.

IAI Course	IVCC Course	Course Title	Semester Hours
S1 900N	ANT 1000	Introduction To Anthropology	3
S1 901N	ANT 1002	Cultural Anthropology	3
S3 902	ECN 2002	Principles of Microeconomics	3
S3 901	ECN 2003	Principles of Macroeconomics	3
S4 900N	GEG 1003	Cultural Geography	3
S4 900N	GEG 1004	World Regional Geography	3
S2 900	HIS 2000	United States History To 1865	3
S2 901	HIS 2001	United States History From 1865	3
S2 910N	HIS 2002	History of Latin America	3
S2 919N	HIS 2006	History of Middle Eastern Civilization	3
S2 914N	HIS 2007	History & Civilization of China	3
S2 906N	HIS 2008	Modern Africa	3
S5 900	PSI 1000	American National Government	3
S5 902	PSI 1002	State and Local Government	3
S5 904N	PSI 2000	International Relations	3
S6 900	PSY 1000	General Psychology	3
S6 903	PSY 2001	Child Growth and Development	3
S8 900	PSY 2004	Social Psychology	3
S7 900	SOC 1000	Introduction To Sociology	3
S7 902	SOC 1002	Marriage and Family	3
S7 901	SOC 2001	Social Problems	3

## Associate in Applied Science Guidesheets

Associate Degrees are usually 2 year programs (full-time) designed to prepare the student for employment. A specified number of general education classes in subject areas such as English and math are required, depending on the program.

### Occupational Competency Guarantee

Illinois Valley Community College students graduating with an Associate of Applied Science Degree or Certificate requiring 20 credit hours or more in an occupational program are guaranteed technical skill competency as represented by that AAS degree or certificate. In the situation where the graduate is not able to demonstrate the technical skills expected by his or her employer, the student will be offered up to 12 credit hours of retraining for the AAS degree or 6 credit hours of retraining for the certificate, tuition and lab fees free, subject to the following conditions:

1. All course work for the AAS degree or certificate must have been completed at IVCC and a grade of "C" or better earned.
2. The student must have completed the program within four years of initial enrollment at the college.
3. The student must have been employed full-time in a job directly related to his or her program of study within one year after graduation from the college with the AAS degree or certificate.
4. The employer must verify in writing to the college within 90 days of initial employment that the graduate lacks competency in specific technical skills as represented by college literature for the AAS degree or certificate.
5. A written retraining plan must be mutually developed by the employer, the graduate, the appropriate dean, and the occupational program instructor specifying the courses needed for retraining and the competencies to be mastered.
6. The retraining will be limited to courses regularly offered by the college and must be completed within one calendar year from the time the educational plan is agreed upon.
7. Prerequisites and other admission requirements for retraining courses must be met and are not included in the courses covered by this guarantee. Students must take the course(s) for a grade and no waivers will be allowed.
8. A maximum of 12 credit hours for the AAS degree and 6 credit hours for the certificate will be provided free for tuition and course fees. Other costs for books, workbooks, etc. will be the responsibility of the graduate and/or the employer.
9. Should the student audit, withdraw, or not receive a passing grade in a course identified in the retraining plan, that course will be included in the offer of credit hours.
10. This guarantee does not imply that the graduate will pass any licensing or qualifying examination for a particular career or occupation.
11. Student's rights under this guarantee are personal and may not be assigned or transferred, voluntarily or involuntarily. Further, no refund is required or will be made.
12. Claims against the occupational program guarantee must be filed with the Director of Admissions and Records within the prescribed time limits as set forth above.
13. This policy becomes effective with students enrolling in the spring semester of 1995. The sole recourse available to participants enrolled in this guarantee program will be limited to the tuition and course fee costs of the retraining with no recourse for damages, court costs, or any associated costs of any kind or right to appeal beyond those specified by the college.

# Automatic Substitutions

## Occupational Degrees and Certificates

### Required Course

ACT 1210  
 ALH 1221  
 ALH 1223  
 BUL 2000  
 BUS 1201  
 BUS 1230  
 CSN 1202  
 CSP 1203  
 CSP 1210  
  
 CSP 1230  
 DFT 1203  
 ECN 1202  
 ELE 1200 & 1201  
 ELT 1204  
 ENG 1200  
 ENG 1205  
 HPE 1000  
 HPE 1004  
 MTH 1206  
 PSY 1000 or SOC 1000  
 PSY 2200  
 SPH 1204

### AAS

- Accounting
- Automotive Technology
- Business Administration
- Business Technology
- Computer Aided Engineering & Design
- Computer Network Administration
- Criminal Justice
- Electronics & Electricians Technology
- Engineering Technology
- Forensic Specialist
- Graphic Design Technology
- Manufacturing Technology
- Marketing
- Welding Construction
- Welding Production

### Allowed Substitution

ACT 1010  
 HPE 1004 or EMS 2200  
 HPE 1004 & ALH 1220  
 BUL 2010  
 BUS 2250, 2251, CSS 2200, CSP 2204  
 MTH 1007 or ECN 2004  
 CSN 1201  
 CSI 1002  
 Any prefix CSD, CSG, CSI, CSM, CSN, CSO, CSP, CSS, CSW OR  
 EDC 1203  
 CSP 1231  
 DFT 1200 or 1201  
 ECN 2002 or 2003  
 ELT 1204 & 2205 & 2207  
 ELE 1200 & 1201  
 ENG 1001 or 1205  
 ENG 1001  
 HPE 1003, ALH 1030, 1031  
 EMS 2200  
 Any college level math including ECN 2004  
 PSY 2200  
 PSY 1000 or SOC 1000  
 SPH 1001

### CERTIFICATES

- Accounting
- Business Technology I
- Business Technology II
- Certified Production Technology
- Computer Aided Drafting
- Computer Networking
- Computer Numerical Control
- Criminal Justice
- Forensic Specialist
- Graphic Design
- Heating, Ventilation, and Air Conditioning (HVAC)
- Industrial Electricians
- Industrial Maintenance
- Machinist & Tool & Die
- Process Operation Technology
- Renewable Wind Energy Technician (Basic/Advanced)
- Retailing/Merchandising
- Truck Driver Training
- Any Welding Certificate

3/7/18

# Accounting Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1210 Fundamentals of Accounting	3	
BUS 1010 Introduction To Business	3	
BUS 1201 Let's Talk Business	1	
BUS 1230 Math for Business & Finance	3	
CSP 1203 Microsoft Office Professional I	3	
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3	
SPRING SEMESTER		
ACT 1010 Financial Accounting		3
ACT 1240 Payroll Accounting		2
ACT 1280 Quickbooks-Pro Accounting		3
ECN 1202 Fundamentals of Economics		3
PSY 2200 Human Relations in The World of Work		3
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3
Year Total:	16	17

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1020 Managerial Accounting	3	
ACT 2200 Tax Accounting	3	
ACT 2221 Intermediate Accounting I	3	
BUL 2000 The Legal Environment of Business	3	
MGT 2010 Principles of Management	3	
SDT 1203 Job Seeking Skills	1	
SPRING SEMESTER		
ACT 2222 Intermediate Accounting II		3
ACT 2230 Certified Bookkeeper Review		2
BUS 2210 Business Internship		3
CSS 2200 Advanced Excel		1
FIN 1200 Principles of Finance		3
Elective (s) (See below)		3
HPE 1000 Wellness		1
Year Total:	16	16

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Total Credit Hours:

65

## Electives:

ACT 2020, BUS 2260, CSP 2203, MGT 1230 or 2220

For additional information please consult any counselor at (815) 224-0360 or [mike\\_sankovich@ivcc.edu](mailto:mike_sankovich@ivcc.edu), (815) 224-0348. Students should plan to take ACT 2221 the semester following ACT 1010. ACT 1020 does not need to be taken immediately after ACT 1010. Students are strongly encouraged to complete the required courses in the order they are listed above. Some advanced accounting courses may only be available at night.

10/1/17

# Agricultural Business Management Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
AGR 1000 Introduction To Field Crop Science	4	
AGR 1002 Intro Agriculture Mechanics	3	
AGR 1200 Introduction To Agricultural Business Management	3	
AGR 1202 Intro To Agricultural Industry	2	
MTH 1206 Technical Mathematics I (or Mathematics Group I or II from AS guide)	3	
SPRING SEMESTER		
AGR 1001 Introductory Agricultural Economics		3
AGR 1206 Intro To Precision Agriculture		4
AGR 1215 Agricultural Marketing		3
ENG 1205 Writ Comm Skills for Bus Ind & Tech or ENG 1001 English Composition I		3
Social Sciences		3
Year Total:	15	16

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
AGR 1005 Introductory Soil Science	4	
AGR 1207 Agricultural Credit & Finance	3	
AGR 1208 Advanced Agricultural Business Management	3	
AGR 1212 Agriculture Sales	3	
SPH 1204 Oral Communication Skills for Business, Industry & Technology or SPH 1001 Fundamentals of Speech	3	
SPRING SEMESTER		
AGR 1004 Microcomputer Applications in Agri		3
AGR 1213 Agricultural Internship		3
AGR 1214 Agricultural Internship Seminar		1
Agricultural Elective (see below)		3
Humanities/Fine Arts Group I, II, III, or IV		3
Year Total:	16	13

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Total Credit Hours:

60

**Agriculture Elective:** Any course from the following prefixes: AGR, ACT, BUL, BUS, ELE, IMT, MET, WLD.

For additional information, please consult any counselor at (815) 224-0360 or willard\_mott@ivcc.edu, (815) 224-0413.

2/6/18

# Agronomy Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
AGR 1000 Introduction To Field Crop Science	4	
AGR 1002 Intro Agriculture Mechanics	3	
AGR 1200 Introduction To Agricultural Business Management	3	
AGR 1202 Intro To Agricultural Industry	2	
ENG 1205 Writ Comm Skills for Bus Ind & Tech or ENG 1001 English Composition I	3	
SPRING SEMESTER		
AGR 1001 Introductory Agricultural Economics		3
AGR 1206 Intro To Precision Agriculture		4
AGR 1217 Soil Fertility and Fertilizers		3
MTH 1206 Technical Mathematics I (or Mathematics Group I or II from AS guide)		3
SPH 1204 Oral Communication Skills for Business, Industry & Technology or SPH 1001 Fundamentals of Speech		3
Year Total:	15	16

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
AGR 1005 Introductory Soil Science	4	
AGR 1209 Crop Production and Management	3	
AGR 1212 Agriculture Sales	3	
AGR 1218 Crop Pest Management	3	
Social Sciences	3	
SPRING SEMESTER		
AGR 1004 Microcomputer Applications in Agri		3
AGR 1213 Agricultural Internship		3
AGR 1214 Agricultural Internship Seminar		1
Agricultural Elective (see below)		3
Humanities/Fine Arts Group I, II, III, or IV		3
Year Total:	16	13

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Total Credit Hours: 60

Agricultural Elective:

Any course from the following prefixes: AGR (not required in the above program), ELE, IMT, MET, WLD

For additional information, contact any counselor at (815) 224-0360 or willard\_mott@ivcc.edu, (815) 224-0413.

3/29/18



# Automotive Technology

## Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

First Year	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
ATO 1210 Basic Gas Engines	5		
ATO 1250 Engine Performance	3		
ATO 2200 Brake Systems	5		
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3		
HPE 1000 Wellness	1		
<b>SPRING SEMESTER</b>			
ATO 1220 Basic Automotive Electricity		3	
ATO 1240 Power Trans & Manual Trans		3.50	
ATO 1260 Steering and Suspension Systems		4.50	
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3	
Elective(s) (see below)		3	
<b>SUMMER SEMESTER</b>			
ATO 2250 Heating and Air Conditioning			3
Year Total:	17	17	3
<b>Second Year</b>			
	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
<b>FALL SEMESTER</b>			
ATO 1270 Service Management	1		
ATO 2210 Adv Engine Performance & Driveability	5		
ATO 2220 Fuel Systems & Emission Controls	4.50		
ATO 2230 Automatic Transmissions/ Trans- Axles	4.50		
MTH 1206 Technical Mathematics I	3		
<b>SPRING SEMESTER</b>			
ATO 2240 Automotive Accessories		3	
ATO 2260 Advanced Drivelines		3	
ATO 2270 Automotive Service		4	
ATO 2280 Computerized Engine Controls		3	
ATO 2290 Automotive Certification		1	
PSY 1000 General Psychology		3	
Year Total:	18	17	

Total Credit Hours:

72

### Electives:

Select any course from the AA/AS/AAS Gen Ed guide sheets OR take any of the following welding courses:  
WLD 1200, 1201, 1209, 2206, 2209

HPE 1001, HPE 1020 or HPE 1021 may also substitute for HPE 1000.

For additional information please consult any counselor at (815) 224-0360 or Art at (815) 224-0220.

### Option:

Tool list - <https://www.ivcc.edu/uploadedFiles/ctp/automotive/Tool%20List.pdf>

2/8/18

## Business Administration Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

	Credits	
	Fall	Spring
<b>First Year</b>		
FALL SEMESTER		
ACT 1210 Fundamentals of Accounting	3	
BUS 1010 Introduction To Business	3	
BUS 1201 Let's Talk Business	1	
BUS 1230 Math for Business & Finance	3	
CSP 1203 Microsoft Office Professional I	3	
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3	
SPRING SEMESTER		
ACT 1010 Financial Accounting		3
CSP 2203 Microsoft Office Professional II		3
ECN 1202 Fundamentals of Economics		3
MKT 1210 Principles of Marketing		3
PSY 2200 Human Relations in The World of Work		3
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3
Year Total:	16	18
<b>Second Year</b>		
FALL SEMESTER		
ACT 1020 Managerial Accounting	3	
BUL 2000 The Legal Environment of Business	3	
CSN 1200 Using Internet and The World Wide Web	3	
MGT 1230 Owning and Operating a Small Business	3	
MGT 2010 Principles of Management	3	
SDT 1203 Job Seeking Skills	1	
SPRING SEMESTER		
BUS 2210 Business Internship		3
BUS 2260 Integrated Business Operations		3
FIN 1200 Principles of Finance		3
HPE 1000 Wellness		1
MGT 2220 Principles of Supervision		3
Elective (s) (See Below)		3
Year Total:	16	16
Total Credit Hours:		66

### Electives:

All courses with the following prefixes are recommended: ACT, BUS, CSD, CSG, CSI, CSN, CSO, CSP, CSS, CSW, ECN, FIN, LDS, MGT, and MKT. For additional information please consult any counselor at (815) 224-0360 or bob\_reese@ivcc.edu, (815) 224-0354.

ACT 1210, BUS 1010 & 1201 must be taken together as a learning community. Students are strongly encouraged to complete the required courses in the order they are listed above. Some advanced courses may only be available at night or in specific semesters.

10/11/17

# Business Technology Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
BUS 1010 Introduction To Business	3	
BUS 1230 Math for Business & Finance	3	
CSN 1200 Using Internet and The World Wide Web	3	
CSP 1203 Microsoft Office Professional I	3	
CSP 1230 Computer Keyboarding Applications (Fall only)	2	
HPE 1000 Wellness	1	
SPRING SEMESTER		
ACT 1210 Fundamentals of Accounting		3
CSP 1231 Adv Keyboarding/Document Formatting (Spring only)		3
CSP 2203 Microsoft Office Professional II		3
SPH 1204 Oral Communication Skills for Business, Industry & Technology (Spring only)		3
PSY 1000 General Psychology or SOC 1000 Introduction To Sociology		3
Year Total:	15	15

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
CSM 1209 Management Information Systems (Fall only)	3	
CSP 2204 Microsoft Office Professional III (Both Fall only) or CSD 1210 Comprehensive Access	3	
ECN 1202 Fundamentals of Economics	3	
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3	
PHL 1002 Ethics	3	
SDT 1203 Job Seeking Skills	1	
SPRING SEMESTER		
CSM 2240 Office Management (Spring only)		3
CSO 1202 Microsoft Windows (Spring Only)		2
CSP 2201 Help Desk/User Support (Spring only)		2
CSP 2222 Business Technology Internship		4
Elective (see below)		3
Year Total:	16	14

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Total Credit Hours:

60

## Electives:

All courses with the following prefixes are recommended:

ACT, BUS, ECN, FIN, MGT & MKT, BUL, CSD, CSN, AND CSO

For additional information please consult any counselor at (815) 224-0360 or michelle\_story@ivcc.edu (815) 224-0441

This degree is designed to prepare personnel for Office Supervisor, Administrative Assistant and clerical positions requiring proficiency in document preparation, bookkeeping, word processing, spreadsheets, databases, and presentation software. Students are strongly encouraged to complete the required courses in the order they are listed above. Some classes may only be available at night or online.

Proficiency exams are available for CSP 1230, CSP 1203, CSO 1202, and CSN 1200. Contact the Workforce Development Division at 815-224-0409 or sandy\_beard@ivcc.edu or speak with a counselor about the available proficiency exams. Proficiency Exam Study Guides are available at: [www.ivcc.edu/assessment](http://www.ivcc.edu/assessment). Course outline provides course description, working outcomes and related competencies.

# Computer Aided Engineering and Design Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
CAD 1200 Computer Aided Draft I AutoCAD	3		
DFT 1200 Basic Drafting	3		
ELT 1000 Introduction To Electronics	3		
MET 1202 Manufacturing Materials & Processes I	4		
MTH 1206 Technical Mathematics I	3		
SPRING SEMESTER			
CAD 1201 Comp Aided Draft II, Using AutoCAD		3	
CAD 1203 Electronics Drafting		2	
CAD 1206 Descriptive Geometry and Development Drawings.		3	
CSP 1203 Microsoft Office Professional I		3	
SDT 1203 Job Seeking Skills		1	
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3	
SUMMER SEMESTER			
CAD 2206 Design Technician Internship			3
Year Total:	16	15	3

## Second Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
CAD 1202 Civil Applications of CAD	3		
CAD 2200 Computer Aided Design I	3		
CAD 2202 Architectural CAD	3		
CAD 2203 Engineering Design Concepts	3		
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3		
SPRING SEMESTER			
CAD 2201 Computer Aided Design II		3	
CAD 2204 Geometric Dimensioning & Tolerancing		3	
CAD 2208 Design Projects		4	
HPE 1000 Wellness		1	
PSY 2200 Human Relations in The World of Work		3	
Year Total:	15	14	

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Total Credit Hours:

63

For additional information please consult any counselor at (815) 224-0360 or dorene\_data@ivcc.edu, (815) 224-0221.

Students that do not have credit in high school algebra or equivalent math background should enroll in MTH 1206 their first semester, depending on college placement exam results.

Students are strongly encouraged to complete the required courses in the order they are listed above. 2/13/18

# Computer Network Administration Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

	Credits	
	Fall	Spring
<b>First Year</b>		
FALL SEMESTER		
CSM 1209 Management Information Systems	3	
CSO 2202 Comprehensive Windows	3	
CSP 1203 Microsoft Office Professional I	3	
CSP 2200 PC Troubleshooting, Upgrade & Repair	3	
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3	
SPRING SEMESTER		
CSN 1225 Core Networking Technologies		3
CSN 1230 Network Administration I		3
CSO 2200 UNIX Operating System		3
PSY 2200 Human Relations in The World of Work		3
SDT 1203 Job Seeking Skills		1
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3
Year Total:	15	16
<b>Second Year</b>		
FALL SEMESTER		
CSD 1210 Comprehensive Access	3	
CSI 1011 Computer Science I	4	
CSN 1231 Network Administration II	3	
HPE 1000 Wellness	1	
MTH 1206 Technical Mathematics I	3	
SPRING SEMESTER		
CSN 1234 Securing & Analyzing TCP/IP Networks		3
CSN 2222 Computer Networking Internship		3
CSN 2250 Speciality Servers		3
CSN 2260 Network Routing		3
CSP 2201 Help Desk/User Support		2
ECN 1202 Fundamentals of Economics		3
Year Total:	14	17
Total Credit Hours:		62

For additional information please consult any counselor at (815) 224-0360 or [gina\\_elias@ivcc.edu](mailto:gina_elias@ivcc.edu) (815) 224-0329.

2/2/18

# Criminal Justice Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

<b>First Year</b>	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
<b>FALL SEMESTER</b>			
CRJ 1000 Introduction To Criminal Justice	3		
CRJ 1210 Policing in America	3		
CRJ 2050 Issues in Criminal Justice	3		
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3		
FRS 1000 Introduction To Forensic Science	3		
<b>SPRING SEMESTER</b>			
CRJ 1030 Juvenile Delinquency		3	
FRS 2050 Crime Scene Analysis		3	
PSY 1000 General Psychology		3	
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3	
SOC 1000 Introduction To Sociology		3	
<b>SUMMER SEMESTER</b>			
CRJ 2280 Criminal Justice Internship			4
CRJ 2290 Criminal Justice Seminar			1
Year Total:	15	15	5
<b>Second Year</b>			
	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
<b>FALL SEMESTER</b>			
CRJ 2010 Criminal Investigation	3		
CRJ 2030 Evidence and Criminal Procedures	3		
EMS 2200 Emergency Medical Responder	4		
Elective(s) (see below)	3		
SOC or PSY Elective	3		
<b>SPRING SEMESTER</b>			
CRJ 1070 Corrections in America		3	
CRJ 2020 Criminal Law		3	
CRJ 2040 Criminology		3	
CRJ 2260 Police Community Relations		3	
HPE 1000 Wellness		1	
Elective(s) (see below)		3	
Year Total:	16	16	
<b>Total Credit Hours:</b>			<b>67</b>

## Electives:

Select any general education course from AA/AS/AAS OR any recommended course from the list below:

CSP 1203; ECN 1202; HPE 1003, 1020, HIS 2000, 2001; HSR 1000, 1201, 1202, 1203, PSI 1000, PSY 2004, 2005, 2006, 2200; SOC 1002, 2001, SPN 1001; THE 1006; Any FRS course

For additional information please consult any counselor at (815) 224-0360 or ron\_groleau@ivcc.edu (815) 224-0482. Please note: Fall/Spring course offerings per semester. Most CRJ courses are offered in the fall or spring semester, not both. EMS 2201 Emergency Medical Technician (8 sh) may be substituted for EMS 2200 (3 sh). The additional 4 hours will be used as approved electives.  
1/30/18

# Early Childhood Education Associate in Applied Science

## Illinois Gateways ECE and Infant/Toddler Level 4 Credential

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### First Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
ECE 1000 Introduction To Early Childhood Education.	3		
ECE 1027 Child, Family, School & Community (Fall only)	3		
ECE 1202 Foundations & Trends for Infant/Toddler/ Two Care & Education (Fall only)	3		
ECE 1203 Creative Activities (Fall only)	3		
PSY 2001 Child Growth and Development	3		
SPRING SEMESTER			
ECE 1005 Health, Safety and Nutrition (Spring only)		3	
ECE 1204 Developmentally Appropriate Practices For Infants, Toddlers, and Two's (Spring only)		3	
ECE 2202 Curriculum Programming (Spring only)		3	
EDC 1203 Educational Technology (Spring only)		3	
ECE 2005 The Exceptional Learner		3	
SUMMER SEMESTER			
ENG 1001 English Composition I or ENG 1205 Writ Comm Skills for Bus Ind & Tech			3
PSY 1000 General Psychology			3
Year Total:	15	15	6

### Second Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
ECE 1201 Child Guidance/Child Study (Fall only)	3		
ECE 1205 Mathematics for Young Children (Fall only or IAI General Education Math)	3		
ECE 2207 Observation and Assessment (Fall only)	3		
ECE 2208 Language Development (Fall only)	3		
ENG 1002 English Composition II (or SPH 1204) or SPH 1001 Fundamentals of Speech	3		
SPRING SEMESTER			
ECE 2203 Supervision and Administration (Spring only)		4	
ECE 2206 E-Portfolio		1	
ECE 2219 Practicum/Student Teaching		5	
HPE 1004 First Aid		2	
Year Total:	15	12	

Total Credit Hours:

63

ECE 1000 is a prerequisite for the following: ECE 2202, 2207, 2208, and 2219.

\*May be taken concurrently with ECE 1000.

ECE 1202 is a prerequisite for ECE 1204.

\*EDC 1203 - Educational Technology must be taken prior to enrolling in ECE 2206.

The following courses must be completed before ECE 2219: ECE 1000, 1201, 1202, 1203, 1204, 2202, 2207, and 2208.

A minimum cumulative grade point average (GPA) of 2.0 is required prior to enrolling in ECE 2219. Students must have a "C" or better in all courses. Petitioned approval by the ECE Program Coordinator is required the semester prior to student teaching (ECE 2219). All forms must be completed prior to registering.

Upon enrollment to ECE 1000, 1202, 1204, and 2005, students are required to:

- Complete the Illinois State Police (ISP) and Federal Bureau of Investigations (FBI) Background Checks. Students must purchase the "Observation Binder" from the Bookstore which includes the fee and the forms for a one time background check.

Students will be held accountable to the IVCC Education Candidate Disposition Policy found in the Observation Binder.

For additional information please consult any counselor at (815) 224-0360 or tammy\_landgraf@ivcc.edu, (815) 224-0477.

**Pending ICCB Approval**



12/5/17

# Electronics and Electricians Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
ALH 1221 Industrial First Aid	1		
ELE 1220 Electrical Safety	1		
ELT 1204 Fundamentals of Electronics: Dc/Ac Theory and Circuit Analysis	5		
ELT 2205 Prototype Design and Fabrication	2		
ELT 2207 Instruments & Measurements	1		
IMT 1200 Equipment Maintenance	3		
MTH 1206 Technical Mathematics I	3		
<b>SPRING SEMESTER</b>			
CAD 1200 Computer Aided Draft I AutoCAD		3	
ELE 1206 Electrical Wiring		2	
ELT 2204 Digital/Micro: Principles & Applications		5	
ENG 1205 Writ Comm Skills for Bus Ind & Tech		3	
IMT 1220 Rigging Systems		3	
<b>SUMMER SEMESTER</b>			
ELT 2209 Electronics Tech Internship			3
Year Total:	16	16	3

## Second Year

	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
CSN 1225 Core Networking Technologies	3		
ECN 1202 Fundamentals of Economics	3		
ELE 1202 Motors and Controls I	2.50		
ELE 1204 Programmable Logic Controllers I	3		
ELT 1200 Beginning Industrial Electronics	2.50		
SDT 1203 Job Seeking Skills	1		
<b>SPRING SEMESTER</b>			
ELE 1203 Motors and Controls II		2.50	
ELE 1205 Programmable Logic Controllers II		3	
ELT 1203 Industrial Instrumentation		2.50	
ELT 2254 Electrical Capstone		3	
PSY 2200 Human Relations in The World of Work		3	
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3	
Year Total:	15	17	

Total Credit Hours:

67

For additional information please consult any counselor at (815) 224-0360 or jim\_gibson@ivcc.edu, (815) 224-0453. Students are strongly encouraged to complete the required courses in the order they are listed above. Students should see a Counselor to determine the appropriate Math course for transfer to a four year college/university. Some advanced classes may be available only at night. ELE 1200 & 1201 can be substituted for ELT 1204, 2205, & 2207.

2/22/18

# Engineering Technology Associate in Applied Science

This degree is comprised of 2 certificates and general education requirements. Students must complete all 3 steps and have a total of 64 credit hours to be eligible for graduation.

## STEP 1: Complete the Certified Production Technician Certificate

	<b>Credit Hours</b>
GNT 1220 Intro Manufacturing & OSHA 10-hr Safety	4
GNT 1225 Quality & Measurement	2
GNT 1230 Manufacturing Processes	3
GNT 1235 Introduction Manufacturing Maintenance	2
MTH 1206 Technical Mathematics I	3
SDT 1201 Career Exploration	1
SDT 1203 Job Seeking Skills	1

## STEP 2: Complete a certificate program from one of the following

- Basic Renewable Wind Energy
- Machinist, Tool & Die
- Industrial Electrician
- Industrial Maintenance
- CNC Operators
- Productions Welding
- HVAC
- Architectural/Civil CAD
- Mechanical/Electronic CAD

## STEP 3: Complete General Education requirements (16 hours min.)

	<b>Credit Hours</b>
ENG 1001 English Composition I or ENG 1205 Writ Comm Skills for Bus Ind & Tech	3
MTH 1206 Technical Mathematics I (or any IAI Level Math)	3
SPH 1001 Fundamentals of Speech or SPH 1204 Oral Communication Skills for Business, Industry & Technology	3
SDT 1201 Career Exploration	1
SDT 1203 Job Seeking Skills	1

### Extra options for completing the 16 credits of general education requirements:

CSP 1210, ALH 1221, HPE 1004, EMS 2200, CSP 1203, MTH 1216, ENG 1002, ENG 2000, MTH 1005, MTH 1008, CHM 1004, PHY 2003, PSY 1000 or SOC 1000.

### Electives to complete the 64 credit hours for the degree (if needed):

Any CNC, DFT, HVC, ELE, ELT, MET, WLD, WND or IAI approved course.

General Education courses can be shared between certificates and CPT Program as long as you complete 64 credit hours of approved coursework. Contact a counselor for details at 815-224-0360 or renee\_prine@ivcc.edu.

## Forensic Specialist Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

<b>First Year</b>	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
<b>FALL SEMESTER</b>			
CRJ 1000 Introduction To Criminal Justice	3		
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3		
FRS 1000 Introduction To Forensic Science	3		
FRS 2040 Forensic Photography or CRJ 2050 Issues in Criminal Justice	3		
SOC 1000 Introduction To Sociology	3		
<b>SPRING SEMESTER</b>			
CRJ 2040 Criminology		3	
FRS 2030 Trace Evidence or FRS 2010 Basic Prin Documentation & Communication		3	
FRS 2050 Crime Scene Analysis		3	
MTH 1008 General Elementary Statistics		3	
SPH 1204 Oral Communication Skills for Business, Industry & Technology or SPH 1001 Fundamentals of Speech		3	
<b>SUMMER SEMESTER</b>			
FRS 2280 Forensic Specialists Practicum			4
FRS 2290 Forensic Specialists Practicum Seminar			1
Year Total:	15	15	5
<b>Second Year</b>			
	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
<b>FALL SEMESTER</b>			
BIO 1001 General Biology I	4		
CRJ 2010 Criminal Investigation	3		
CRJ 2030 Evidence and Criminal Procedures	3		
FRS 2040 Forensic Photography or CRJ 2050 Issues in Criminal Justice	3		
Elective(s) (see below)	3		
<b>SPRING SEMESTER</b>			
CHM 1000 Introduction To Chemistry		3	
CRJ 2020 Criminal Law		3	
FRS 2030 Trace Evidence or FRS 2010 Basic Prin Documentation & Communication		3	
PSY 1000 General Psychology		3	
Elective(s) (see below)		1	
Year Total:	16	13	
<b>Total Credit Hours:</b>			<b>64</b>

### Electives:

HPE 1020, HSR 1201, 1202, PSY 2200, SDT 1203, SOC 2001, SPN 1000, 1001, 1010, THE 1006, Any CRJ course not in the program.

For additional information please consult any counselor at (815) 224-0360 or ron\_groleau@ivcc.edu (815) 224-0482. \*Please note: Fall/Spring course offerings per semester. Most FRS & CRJ courses are offered in the fall or spring, not both.

10/1/17

# Graphic Design Technology Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
ART 1002 Drawing I	3	
ART 1005 Design I	3	
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3	
GDT 1201 Introduction To Page Layout	3	
GDT 1202 Photoshop I for Graphic Design	3	
HPE 1000 Wellness	1	
SPRING SEMESTER		
GDT 1204 Web Design for Graphic Design		3
GDT 1222 Introduction To Illustrator		3
GDT 2006 Visual Communications I		3
MTH 1206 Technical Mathematics I or BUS 1230 Math for Business & Finance		3
SDT 1203 Job Seeking Skills		1
Elective(s) (see below)		3
Year Total:	16	16

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
GDT 2202 Photoshop II	3	
GDT 2211 Design Solutions I	4	
GDT 2216 Visual Communications II	3	
GDT 2232 Illustrator II	3	
Elective(s) (see below)	3	
SPRING SEMESTER		
GDT 2214 Multimedia I		3
GDT 2221 Graphic Design Solutions II		4
PSY 2200 Human Relations in The World of Work		3
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3
Humanities/Fine Arts Group I, II, III or IV		3
Year Total:	16	16

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Total Credit Hours:

64

Electives: ART 1000, ART 1001, ART 1007, ART 1009, ART 1010, ART 1012, ART 1015, BUS 1010, GDT 1207, MKT 1210.  
ART 1002 and 1005 should be taken concurrently or previously to GDT 1201 and 1202.

Marketability is determined by the creativity and quality of work exhibited in the graduate's portfolio. The Graphic Design program at IVCC guides students toward building a successful portfolio. Students who complete an AAS degree can seek immediate employment or can continue their education by taking advantage of articulation agreements to earn the Bachelors Degree with WIU in Chicago, Robert Morris College in Chicago and Peoria, ISU and others. The 2+2 articulation agreements will allow program credits to transfer with junior status. Contact the Division office at 815-224-0487 or a counselor. 5/8/18

# Human Services Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

First Year	Fall	Credits Spring
<b>FALL SEMESTER</b>		
CSP 1210 Basic Computer Skills for The Workplace	1	
ENG 1205 Writ Comm Skills for Bus Ind & Tech or ENG 1001 English Composition I	3	
HSR 1000 Introduction To Human Services	3	
SOC 1000 Introduction To Sociology	3	
SPH 1001 Fundamentals of Speech	3	
Elective(s) (see below)	3	
<b>SPRING SEMESTER</b>		
HSR 1201 Counseling Methods & Interviewing Tech		3
HSR 1202 Helping Across Cultures		3
PSY 1000 General Psychology		3
SOC 2001 Social Problems		3
SPH 1204 Oral Communication Skills for Business, Industry & Technology or ENG 1002 English Composition II		3
Year Total:	16	15

Second Year	Fall	Credits Spring
<b>FALL SEMESTER</b>		
HPE 1000 Wellness	1	
HSR 1203 Group Dynamics	3	
HSR 1205 Case Management Skills	3	
HSR 1206 Practicum I	4	
PSY 2001 Child Growth and Development or ALH 1002 Human Growth & Development for Health Workers	3	
Elective(s) (see below)	3	
<b>SPRING SEMESTER</b>		
HSR 1200 Portfolio Development		1
HSR 1204 Addictive Disorders		3
HSR 1207 Practicum II or HSR 1208 Substance Abuse Treatment Internship		4-5
MTH 1008 General Elementary Statistics		3
PHL 1002 Ethics		3
Elective(s) (see below)		3
Year Total:	17	17-18

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Total Credit Hours: 65-66

## Electives:

ALH 1001, ANT 1000, ANT 1002, ART 1000, ART 1010, BIO 1000, CRJ 1000, CRJ 1030, CRJ 1070, CRJ 2050 (offered evenings in the Fall odd years only), ECE 1027, FLM 2009, FLM 2010, GDT 1205, GDT 1208, GEG 1003, GEN 2000, GEN 2001, GEN 2002, HON 1001, HSR 1220, LIB 1000, LIT 2005, MGT 1230, MGT 2230, MUS 1000, PHL 1001, PHL 1005, PHL 1013, PSI 1002, PSI 1003, PSI 2000, PSY 2000, PSY 2004, PSY 2005, PSY 2006, PSY 2200, SFC 1000, SOC 1002, SWK 1000, SPN 1010, THE 1006, THE 2002

For additional information please consult any counselor at (815) 224-0360 or jean\_batson-turner@ivcc.edu, (815) 224-0268.

### CRJ 2050 - Students must take the section entitled, "Issues in Criminal Justice: Drugs in America."

HSR 1208 must be completed at an approved substance abuse agency. See Sherry Dockins for details on approved agencies.

HSR 1200 and HSR 1207 or HSR 1208 must be taken concurrently.

This degree is designed to meet employment requirements for students who plan to work in this career area. The intent of the degree is for employment and is not designed as a degree for transfer. However, at the present time many colleges and universities accept the earned credits toward a four year degree. Students planning to transfer should consult a Counselor or Program Coordinator to verify the transferability of the program or individual courses.

Several options for baccalaureate degree completion for AAS graduates in Human Services are listed below. Students planning to transfer should choose the following course options to meet our degree and transfer requirements: ENG 1001, 1002 and SPH 1001.

**Springfield College** in Milwaukee Wisconsin offers a degree in Human Services. Students transferring from our Human Services degree may be able to complete the requirements for the 120 credit baccalaureate degree in 16 months of 4 semesters of satisfactory full-time study.

**Southern Illinois University/Carbondale** accepts all credit from our Human Services degree. Starting in the Fall of 2013 SIUC will accept up to 78 credits from IVCC toward the 120 required for a baccalaureate degree. Several degree options are available.

**Aurora University** offers a Bachelor of Social Work (BSW) degree. Students finishing our degree are able to transfer most of their course work toward a BSW degree completion.

**Eastern Illinois University, Governors State University, and Western Illinois University** offer degree programs that accept course work from our Human Services degree toward a baccalaureate degree. Most majors are classified as Interdisciplinary Majors and typically accept up to 80 credits toward the 120 hour requirement.

11/17/17



# Manufacturing Technology Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
DFT 1203 Machine Blueprint Reading	3		
IMT 1200 Equipment Maintenance	3		
IMT 1208 Industrial Safety or GNT 1220 Intro Manufacturing & OSHA 10-hr Safety	1-4		
MET 1202 Manufacturing Materials & Processes I	4		
MTH 1206 Technical Mathematics I	3		
<b>SPRING SEMESTER</b>			
CNC 1200 Fundamentals of CNC Operations		3	
MET 1200 Inspection, Measurement & Quality <small>Offered Spring odd years only</small>		3	
MET 1203 Manufacturing Materials & Processes II		3	
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3	
Elective (s) (see below)		3	
<b>SUMMER SEMESTER</b>			
MET 2206 Manufacturing Tech Internship			3
Elective (s) (see below)			3
Year Total:	14-17	15	6

## Second Year

	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
ELE 1200 Basic Industrial Electricity I	4		
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3		
MET 1204 Tooling Processes I	3		
MET 2201 Statistical Quality Control Techniques <small>Offered Fall even years only</small>	3		
Elective (s) (see below)	3		
<b>SPRING SEMESTER</b>			
ECN 1202 Fundamentals of Economics		3	
HPE 1000 Wellness		1	
IMT 1205 Industrial Hydraulics		3	
IMT 1206 Industrial Pneumatics		2	
MET 1205 Tooling Processes II		3	
PSY 2200 Human Relations in The World of Work		3	
SDT 1203 Job Seeking Skills		1	
Year Total:	16	16	

Total Credit Hours:

67-70

Electives:

\*\*If taking GNT 1220 for IMT 1208 this will cover a 3 credit hour elective.

ELE 1201, ELE 1206, CSP 1203, CNC 1202, CAD 1200, CAD 2201, DFT 1200, IMT 1220, WLD 1200 or any GNT course

For additional information please consult any counselor at (815) 224-0360, or [tim\\_bias@ivcc.edu](mailto:tim_bias@ivcc.edu), (815) 224-0261.

Students are strongly encouraged to complete the required courses in the order they are listed above. Some courses will only be available evenings.

11/17/17

# Marketing Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1210 Fundamentals of Accounting*	3	
BUS 1010 Introduction To Business*	3	
BUS 1201 Let's Talk Business	1	
BUS 1230 Math for Business & Finance	3	
CSP 1203 Microsoft Office Professional I	3	
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3	
SPRING SEMESTER		
CSP 2203 Microsoft Office Professional II		3
ECN 1202 Fundamentals of Economics		3
MKT 1210 Principles of Marketing		3
PSY 2200 Human Relations in The World of Work		3
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3
Elective(s) (see below)		3
Year Total:	16	18

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
BUL 2000 The Legal Environment of Business	3	
CSN 1200 Using Internet and The World Wide Web	3	
MGT 2010 Principles of Management	3	
MKT 2210 Principles of Advertising	3	
SDT 1203 Job Seeking Skills	1	
Elective(s) (see below)	3	
SPRING SEMESTER		
BUS 2210 Business Internship		3
BUS 2260 Integrated Business Operations		3
HPE 1000 Wellness		1
MGT 2220 Principles of Supervision		3
MKT 1220 Sales/Retailing		3
Elective(s) (see below)		3
Year Total:	16	16

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Total Credit Hours:

66

## Electives:

Any course with one of the following prefixes: ACT, BUS, CSD, CSG, CSI, CSN, CSO, CSP, CSS, CSW, ECN, FIN, LDS, MGT, or MKT.

For additional information please consult any counselor at (815) 224-0360, or bob\_reese@ivcc.edu, (815) 224-0354.

\*ACT 1210, BUS 1010, & BUS 1201 must be taken together as a learning community  
Students are strongly encouraged to complete the required courses in the order they are listed above.  
Some advanced courses may only be available at night or in specific semesters.

10/11/17

## Medical Lab Technology (Cooperative\*) Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

<b>First Year</b>	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
<b>FALL SEMESTER</b>			
BIO 1003 Principles of Biology	4		
BIO 1007 Anatomy & Physiology I	4		
CHM 1006 General Chemistry I	5		
MEDT 1104	4		
<b>SPRING SEMESTER</b>			
BIO 1008 Anatomy & Physiology II		4	
CHM 1007 General Chemistry II		5	
ENG 1001 English Composition I		3	
MEDT 1124		4	
MEDT 1224		4	
<b>SUMMER SEMESTER</b>			
BIO 1009 Microbiology			4
PSY 1000 General Psychology			3
Year Total:	17	20	7
<b>Second Year</b>			
<b>FALL SEMESTER</b>			
ENG 1002 English Composition II	3		
MEDT 2044	4		
MEDT 2214	4		
<b>SPRING SEMESTER</b>			
MEDT 2316		6	
MEDT 2326		6	
MEDT 2462		2	
Year Total:	11	14	
<b>Total Credit Hours:</b>			<b>69</b>

\*Cooperative program between IVCC & Kankakee Community College. For additional information please consult any counselor at (815) 224-0360 or for more information about this program contact Glenda Forneris at (815) 802-8835 or gforneris@kcc.edu.

All MEDT courses are available online through Kankakee Community College. <http://kcc.smartcatalogiq.com/en/2017-2018/Academic-Catalog/Programs/Occupational-Programs/Health-Careers/Medical-Laboratory-Technology-AAS> Some will require 2-3 visits per semester to KCC.

Students in the past who have a 2.5 minimum cumulative GPA and completed BIO 1003 or BIO 1007 and CHM 1006 have had a very good chance for admission.

Students must either test out of or take MTH 0907 for admission to the program. Kankakee Community College may request a copy of test scores or ACT (22) or SAT (530) for admission. Test scores expire after 4 years.

A mandatory orientation at KCC and an A2 Hesi exam are required.

All BIO & MEDT courses must be completed with a "C" or better.

4/23/18

# Nursing (RN) Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
ALH 1002 Human Growth & Development for Health Workers	3	
BIO 1007 Anatomy & Physiology I	4	
BIO 1009 Microbiology	4	
NUR 1201 Fundamentals of Nursing I	4	
NUR 1202 Fundamentals of Nursing II	4	
NUR 1205 Pharmacology I for The Nursing Student	1.50	
SPRING SEMESTER		
ALH 1000 Introduction To Nutrition		3
BIO 1008 Anatomy & Physiology II		4
NUR 1206 Pharmacology II for The Nursing Student		1.50
NUR 1210 Mental Health Nursing		3
NUR 1211 Holistic Nursing I		5
PSY 1000 General Psychology		3
Year Total:	20.5	19.5

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
ENG 1001 English Composition I	3	
NUR 2200 Management Concepts in Nursing	2	
NUR 2201 Holistic Nursing II	5	
NUR 2202 Maternal Child Nursing I	4	
SOC 1000 Introduction To Sociology	3	
SPRING SEMESTER		
ENG 1002 English Composition II		3
NUR 2210 Issues in Professional Nursing		1
NUR 2211 Holistic Nursing III		5
NUR 2212 Holistic Nursing IV		5
Year Total:	17	14

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Total Credit Hours: 71

For additional information please consult any counselor at (815) 224-0360 or Julie\_Hogue@ivcc.edu (815) 224-0481.

Students are encouraged to see a counselor for admission and application information for the Nursing program. Students are also encouraged to attend a Nursing Information Session, call (815) 224-0439 for details. Although the program is designed to be completed in (4) semesters, it is highly recommended that students complete most, if not all non-nursing courses prior to the start of the first Nursing course. If not, all non-nursing, general education courses, must be completed prior to or concurrently with the nursing courses with which they are listed in the curriculum pattern. Failure to complete these general education courses will result in a student being ineligible for graduation and ineligible to take the NCLEX exam for licensure.

All nursing and non-nursing courses must be completed with a "C" or better. Successful completion of Certified Nursing Assistant (CNA Program) is required for admission into Nursing Program. SFC 1000 and ALH 1001 are recommended. Most nursing courses (NUR) are 8 weeks in length, 4 days a week. There is no evening or part-time program.

PLEASE NOTE: The above excerpts have been taken from the IVCC Nursing Admission Handbook, [ivcc.edu/admissions](http://ivcc.edu/admissions). Please refer to that document for all application, admission, and retention information. All students will be required to have a criminal background check and a drug test prior to starting the program. A felony may prevent you from becoming licensed and/or working in a health care profession.

10/26/17

<http://www.ilga.gov/commission/jcar/admincode/068/068013000A01000R.html>

# Therapeutic Massage Associate in Applied Science

## Pre-Admission Requirements

	<b>Credit Hours</b>
THM 1200 Introduction To Therapeutic Massage	1.50
ALH 1001 Terminology of The Health Field	3
BIO 1200 Human Body Structure & Function	3
Total Hours	7.5

### 1st Semester

	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
FALL SEMESTER			
THM 1202 Musculoskeletal System	5		
THM 1204 Therapeutic Massage Techniques I	5		
THM 1208 Professional Development & Ethics	2		
SPH 1001 Fundamentals of Speech	3		
Year Total:	15		

### 2nd Semester

	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
SPRING SEMESTER			
THM 1212 Pathology for Massage Therapy		3	
THM 1214 Therapeutic Massage Techniques II		5	
THM 1218 Therapeutic Massage Clinical		2	
THM 1226 Therapeutic Massage Bus. Pract. & Ethics		3	
Year Total:		13	

### 3rd Semester

	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
SUMMER SEMESTER			
THM 1222 Therapeutic Massage Capstone Seminar			2
THM 1224 Therapeutic Massage Techniques III			5
THM 1228 Therapeutic Massage Clinical			2
Year Total:			9

### 4th Semester

	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
FALL SEMESTER			
ALH 1000 Introduction To Nutrition	3		
ENG 1001 English Composition I	3		
SOC 1000 Introduction To Sociology	3		
THM 2204 Clinical Massage I: Upper & Lower Body	6		
Year Total:	15		

### 5th Semester

	<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
SPRING SEMESTER			
ALH 1002 Human Growth & Development for Health Workers		3	
PSY 1000 General Psychology		3	
THM 2214 Clinical Massage II: Chronic Health Conditions		6	
Elective(s)		2	
Year Total:		14	

Total Credit Hours:

66

Electives: ALH 1030, 1031 & HPE 1020, 1021 or course approval of Program Director.

For additional information please consult a counselor at (815) 224-0360 or [roxanne\\_cherpeske@ivcc.edu](mailto:roxanne_cherpeske@ivcc.edu), (815) 224-0507.

This program is not designed for students transferring to other colleges or universities. Must be an Illinois Licensed Massage Therapist (or License pending) and receive approval from the THM Program Coordinator to enroll in THM 2204 or 2214. The AAS in Therapeutic Massage is directed toward Licensed Massage Therapists (or License pending) who wish to expand their scope of practice into the healthcare field. The AAS degree in Therapeutic Massage includes 3 major aspects of healthcare: Lifespan, Chronic diseases and Musculoskeletal problems.

PLEASE NOTE: The above excerpts have been taken from the IVCC Therapeutic Massage Handbook. Please refer to that document

3/28/18

# Welding Construction Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

First Year	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
ALH 1221 Industrial First Aid or HPE 1004 First Aid	1-2		
DFT 1200 Basic Drafting	3		
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3		
WHS 1200 Basic Forklift Operation	1		
WLD 1200 Stick, Plate, Flat Arc Welding	2		
WLD 1201 Stick, Plate, Horizontal Arc Welding	2		
WLD 1202 Stick, Plate, Vertical-up Arc Welding or WLT 1202 AWS Testing Stick Plate Vertical-up Arc Welding	2		
WLD 1220 GTAW (TIG) Mild Steel	2		
WLD 2206 Gas Welding & Brazing, Flat & Horizontal	2		
<b>SPRING SEMESTER</b>			
IMT 1220 Rigging Systems		3	
MET 1209 Welding Metallurgy		3	
MTH 1206 Technical Mathematics I		3	
WED 2200 Welding Blueprint Reading		3	
WLD 1203 Stick, Plate, Vertical-down Arc Welding		2	
<b>SUMMER SEMESTER</b>			
WLD 1204 Stick, Plate, Overhead Arc Welding or WLT 1204 AWS Testing: Stick Plate Overhead Arc Welding			2
Year Total:	18-19	14	2
<b>Second Year</b>			
<b>FALL SEMESTER</b>			
CSP 1210 Basic Computer Skills for The Workplace	1		
DFT 1203 Machine Blueprint Reading	3		
PSY 2200 Human Relations in The World of Work	3		
SDT 1203 Job Seeking Skills	1		
WLD 2203 Pipe Stick 2G Position or WLT 2203 AWS Testing: Pipe Stick 2G Position	2		
WLD 1210 GMAW (MIG) Mild Steel	2		
WLD 2213 Pipe, Stick, 5G Position	2		
Humanities/Fine Arts Elective	3		
<b>SPRING SEMESTER</b>			
MET 1200 Inspection, Measurement & Quality		3	
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3	
WLD 2209 Fabrication		2	
WLD 2223 Pipe, Stick, 6G Position or WLT 2223 AWS Testing: Pipe Stick 6G Position		2	
WLD 2233 Pipe-stick Tig-root All Positions or WLT 2233 AWS Testing: Pipe Stick TIG Root All Positions		2	
WLD 2250 Welding Internship		3	
Year Total:	17	15	
<b>Total Credit Hours:</b>			<b>66-67</b>

For additional information please consult any counselor at (815) 224-0360, or paul\_leadingham@ivcc.edu (815) 224-0319. Note: All welding students must register through a Welding Information Session, call 815-224-0439 to sign up. **12/8/17**



# Welding Production Associate in Applied Science

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

First Year	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
ALH 1221 Industrial First Aid or HPE 1004 First Aid	1-2		
DFT 1200 Basic Drafting	3		
WHS 1200 Basic Forklift Operation	1		
WLD 1200 Stick, Plate, Flat Arc Welding	2		
WLD 1209 MIG(wire) Flat Plate Arc Welding or WLT 1209 AWS Testing: MIG (Wire) Flat Plate Arc Welding	2		
WLD 1210 GMAW (MIG) Mild Steel	2		
WLD 1211 GMAW (MIG) Stainless Steel	2		
WLD 2206 Gas Welding & Brazing, Flat & Horizontal	2		
<b>SPRING SEMESTER</b>			
ENG 1205 Writ Comm Skills for Bus Ind & Tech		3	
IMT 1220 Rigging Systems		3	
MET 1209 Welding Metallurgy		3	
MTH 1206 Technical Mathematics I		3	
WED 2200 Welding Blueprint Reading		3	
WLD 1212 GMAW (MIG) Non Ferrous Alloys		2	
<b>SUMMER SEMESTER</b>			
WLD 2200 MIG(Wire) Horizontal Plate Arc Welding or WLT 2200 AWS Testing: MIG (Wire) Horizontal Plate Arc Welding			2
Year Total:	15-16	17	2
<b>Second Year</b>			
<b>FALL SEMESTER</b>			
CSP 1210 Basic Computer Skills for The Workplace	1		
DFT 1203 Machine Blueprint Reading	3		
PSY 2200 Human Relations in The World of Work	3		
SDT 1203 Job Seeking Skills	1		
WLD 1213 GMAW Pipe, All Positions	2		
WLD 1220 GTAW (TIG) Mild Steel	2		
WLD 1221 GTAW (TIG) Stainless Steel	2		
WLD 2208 Cutting Torch & Plasma Arc Cutting	2		
<b>SPRING SEMESTER</b>			
Elective Humanities/Fine Arts		3	
MET 1200 Inspection, Measurement & Quality		3	
SPH 1204 Oral Communication Skills for Business, Industry & Technology or SPH 1001 Fundamentals of Speech		3	
WLD 2209 Fabrication		2	
WLD 1230 Dual Shield & Metal Core or WLT 1230 AWS Testing: Dual Shield & Metal Core		2	
WLD 2250 Welding Internship		3	
Year Total:	16	16	

Total Credit Hours:

66-67

For additional information please consult any counselor at (815) 224-0360, or paul\_leadingham@ivcc.edu (815) 224-0319.  
Note: Students must register for a Welding Information Session by calling 815-224-0439.

12/8/17

## Certificate Guidesheets

A certificate program requires 1 to 4 semesters of course work which prepares the student for a specific academic or vocational career. Classes are taken only in the student's chosen career area.

## Occupational Competency Guarantee

Illinois Valley Community College students graduating with an Associate of Applied Science Degree or Certificate requiring 20 credit hours or more in an occupational program are guaranteed technical skill competency as represented by that AAS degree or certificate. In the situation where the graduate is not able to demonstrate the technical skills expected by his or her employer, the student will be offered up to 12 credit hours of retraining for the AAS degree or 6 credit hours of retraining for the certificate, tuition and lab fees free, subject to the following conditions:

1. All course work for the AAS degree or certificate must have been completed at IVCC and a grade of "C" or better earned.
2. The student must have completed the program within four years of initial enrollment at the college.
3. The student must have been employed full-time in a job directly related to his or her program of study within one year after graduation from the college with the AAS degree or certificate.
4. The employer must verify in writing to the college within 90 days of initial employment that the graduate lacks competency in specific technical skills as represented by college literature for the AAS degree or certificate.
5. A written retraining plan must be mutually developed by the employer, the graduate, the appropriate dean, and the occupational program instructor specifying the courses needed for retraining and the competencies to be mastered.
6. The retraining will be limited to courses regularly offered by the college and must be completed within one calendar year from the time the educational plan is agreed upon.
7. Prerequisites and other admission requirements for retraining courses must be met and are not included in the courses covered by this guarantee. Students must take the course(s) for a grade and no waivers will be allowed.
8. A maximum of 12 credit hours for the AAS degree and 6 credit hours for the certificate will be provided free for tuition and course fees. Other costs for books, workbooks, etc. will be the responsibility of the graduate and/or the employer.
9. Should the student audit, withdraw, or not receive a passing grade in a course identified in the retraining plan, that course will be included in the offer of credit hours.
10. This guarantee does not imply that the graduate will pass any licensing or qualifying examination for a particular career or occupation.
11. Student's rights under this guarantee are personal and may not be assigned or transferred, voluntarily or involuntarily. Further, no refund is required or will be made.
12. Claims against the occupational program guarantee must be filed with the Director of Admissions and Records within the prescribed time limits as set forth above.
13. This policy becomes effective with students enrolling in the spring semester of 1995. The sole recourse available to participants enrolled in this guarantee program will be limited to the tuition and course fee costs of the retraining with no recourse for damages, court costs, or any associated costs of any kind or right to appeal beyond those specified by the college.

Not all certificates are eligible for financial aid. Consult the Financial Aid Office for more information.

# Automatic Substitutions

## Occupational Degrees and Certificates

### Required Course

ACT 1210  
 ALH 1221  
 ALH 1223  
 BUL 2000  
 BUS 1201  
 BUS 1230  
 CSN 1202  
 CSP 1203  
 CSP 1210  
  
 CSP 1230  
 DFT 1203  
 ECN 1202  
 ELE 1200 & 1201  
 ELT 1204  
 ENG 1200  
 ENG 1205  
 HPE 1000  
 HPE 1004  
 MTH 1206  
 PSY 1000 or SOC 1000  
 PSY 2200  
 SPH 1204

### AAS

- Accounting
- Automotive Technology
- Business Administration
- Business Technology
- Computer Aided Engineering & Design
- Computer Network Administration
- Criminal Justice
- Electronics & Electricians Technology
- Engineering Technology
- Forensic Specialist
- Graphic Design Technology
- Manufacturing Technology
- Marketing
- Welding Construction
- Welding Production

### Allowed Substitution

ACT 1010  
 HPE 1004 or EMS 2200  
 HPE 1004 & ALH 1220  
 BUL 2010  
 BUS 2250, 2251, CSS 2200, CSP 2204  
 MTH 1007 or ECN 2004  
 CSN 1201  
 CSI 1002  
 Any prefix CSD, CSG, CSI, CSM, CSN, CSO, CSP, CSS, CSW OR  
 EDC 1203  
 CSP 1231  
 DFT 1200 or 1201  
 ECN 2002 or 2003  
 ELT 1204 & 2205 & 2207  
 ELE 1200 & 1201  
 ENG 1001 or 1205  
 ENG 1001  
 HPE 1003, ALH 1030, 1031  
 EMS 2200  
 Any college level math including ECN 2004  
 PSY 2200  
 PSY 1000 or SOC 1000  
 SPH 1001

### CERTIFICATES

- Accounting
- Business Technology I
- Business Technology II
- Certified Production Technology
- Computer Aided Drafting
- Computer Networking
- Computer Numerical Control
- Criminal Justice
- Forensic Specialist
- Graphic Design
- Heating, Ventilation, and Air Conditioning (HVAC)
- Industrial Electricians
- Industrial Maintenance
- Machinist & Tool & Die
- Process Operation Technology
- Renewable Wind Energy Technician (Basic/Advanced)
- Retailing/Merchandising
- Truck Driver Training
- Any Welding Certificate

3/7/18

## Accounting Certificates

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### Basic

#### First Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1210 Fundamentals of Accounting	3	
BUS 1230 Math for Business & Finance	3	
CSP 1203 Microsoft Office Professional I	3	
SPRING SEMESTER		
ACT 1010 Financial Accounting		3
ACT 1280 Quickbooks-Pro Accounting		3
Year Total:	9	6

#### Second Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1020 Managerial Accounting	3	
BUS 1010 Introduction To Business	3	
SDT 1203 Job Seeking Skills	1	
Year Total:	7	

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Total Credit Hours: 22

For additional information please consult any counselor at (815) 224-0360 or [mike\\_sankovich@ivcc.edu](mailto:mike_sankovich@ivcc.edu), (815) 224-0348.

11/10/17

United States Department of Education's Gainful Employment Disclosure (<https://www.ivcc.edu/ge/Accounting%20-Basic/52.0302-Gedt.html>)

### Advanced

#### First Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1210 Fundamentals of Accounting	3	
BUS 1230 Math for Business & Finance	3	
CSP 1203 Microsoft Office Professional I	3	
SPRING SEMESTER		
ACT 1010 Financial Accounting		3
BUS 1010 Introduction To Business		3
Electives (see below)		3
Year Total:	9	9

#### Second Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1020 Managerial Accounting	3	
ACT 2221 Intermediate Accounting I	3	
Electives (see below)	3	
SPRING SEMESTER		
ACT 1280 Quickbooks-Pro Accounting		3
FIN 1200 Principles of Finance		3
SDT 1203 Job Seeking Skills		1
Year Total:	9	7

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Total Credit Hours: 34

#### Electives: ACT 1220, 2020, 2200, 2222

NOTES: Students should be aware that the Advanced Accounting Certificate may take 4 semesters to complete for course prerequisites. Some advanced classes may only be available at night.

11/10/17

**United States Department of Education's Gainful Employment Disclosure** (<https://www.ivcc.edu/ge/Accounting-advanced/52.0302-Gedt.html>)

# Automotive Technology Certificates

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## Basic

### First Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
ATO 1210 Basic Gas Engines	5		
ATO 1250 Engine Performance	3		
ATO 2200 Brake Systems	5		
SPRING SEMESTER			
ATO 1220 Basic Automotive Electricity		3	
ATO 1240 Power Trans & Manual Trans		3.50	
ATO 1260 Steering and Suspension Systems		4.50	
SUMMER SEMESTER			
ATO 2250 Heating and Air Conditioning			3
Year Total:	13	11	3
Total Credit Hours:			27

United States Department of Education's Gainful Employment Disclosure (<https://www.ivcc.edu/ge/Automotive-basic/47.0604-Gedt.html>)

## Advanced

### First Year

	Fall	Spring	Credits Summer
ATO 1210 Basic Gas Engines	5		
ATO 1250 Engine Performance	3		
ATO 2200 Brake Systems	5		
ATO 1220 Basic Automotive Electricity		3	
ATO 1240 Power Trans & Manual Trans		3.50	
ATO 1260 Steering and Suspension Systems		4.50	
ATO 2250 Heating and Air Conditioning			3
Year Total:	13	11	3

### Second Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
ATO 1270 Service Management	1		
ATO 2210 Adv Engine Performance & Driveability	5		
ATO 2220 Fuel Systems & Emission Controls	4.50		
ATO 2230 Automatic Transmissions/ Trans- Axles	4.50		
SPRING SEMESTER			
ATO 2240 Automotive Accessories		3	
ATO 2260 Advanced Drivelines		3	
ATO 2270 Automotive Service		4	
ATO 2280 Computerized Engine Controls		3	
ATO 2290 Automotive Certification		1	
Year Total:	15	14	
Total Credit Hours:			56

United States Department of Education's Gainful Employment Disclosure (<https://www.ivcc.edu/ge/Automotive-advanced/47.0604-Gedt.html>)

## Other

### Auto Brakes, Suspension, and Alignment

	Credit Hours
ATO 1260 Steering and Suspension Systems	4.50
ATO 2200 Brake Systems	5
Total Hours	9.5

## Engine Performance Certificate

		<b>Credit Hours</b>
ATO 1220	Basic Automotive Electricity	3
ATO 1250	Engine Performance	3
<hr/>		
Total Hours		6

## Drivability Certificate

		<b>Credit Hours</b>
ATO 2210	Adv Engine Performance & Driveability	5
ATO 2220	Fuel Systems & Emission Controls	4.50
ATO 2280	Computerized Engine Controls	3
<hr/>		
Total Hours		12.5

For additional information consult any counselor at (815) 224-0360, shane\_lange@ivcc.edu (815) 224-0219 or art\_koudelka@ivcc.edu (815) 224-0220.

Tool list- <http://www2.ivcc.edu/koudelka/> <https://www.ivcc.edu/uploadedFiles/ctp/automotive/Tool%20List.pdf>

10/3/17



# Business Technology I Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
BUS 1010 Introduction To Business	3	
BUS 1230 Math for Business & Finance	3	
CSN 1200 Using Internet and The World Wide Web	3	
CSP 1203 Microsoft Office Professional I	3	
CSP 1230 Computer Keyboarding Applications (Fall only)	2	
SPRING SEMESTER		
CSO 1202 Microsoft Windows (Spring only)		2
CSP 1231 Adv Keyboarding/Document Formatting (Spring only)		3
CSP 2203 Microsoft Office Professional II		3
SDT 1203 Job Seeking Skills		1
SPH 1204 Oral Communication Skills for Business, Industry & Technology (Spring only)		3
Elective (see below)		3
Year Total:	14	15
<hr/>		
Total Credit Hours:		29

## Electives:

All courses with the following prefixes are recommended:

ACT, BUS, ECN, FIN, MGT & MKT, BUL, CSD, CSN, AND CSO

For additional information please consult any counselor at (815) 224-0360 or (michelle\_story@ivcc.edu)michelle\_story@ivcc.edu (815) 224-0441. This curriculum, leading to a certificate, is designed to prepare personnel for entry into general office positions requiring proficiency in document preparation, filing, word processing, spreadsheets, database, and presentation software. Students are strongly encouraged to complete the required courses in the order they are listed above. Some courses may be available only at night or online.

Proficiency exams are available for CSP 1230, CSP 1203, CSO 1202 and CSN 1200. Contact the Workforce Development Division at 815-224-0409 or sandy\_beard@ivcc.edu or speak with a counselor about the available proficiency exams. Proficiency Exam Study Guides are available at <https://www.ivcc.edu/assessment>. Course outline provides course description, working outcomes and related competencies.

2/27/18

**United States Department of Education's Gainful Employment Disclosure** (<https://www.ivcc.edu/ge/Business%20Technology%20I/52.0407-Gedt.html>)

# Business Technology II Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
BUS 1010 Introduction To Business	3	
BUS 1230 Math for Business & Finance	3	
CSN 1200 Using Internet and The World Wide Web	3	
CSP 1203 Microsoft Office Professional I	3	
CSP 1230 Computer Keyboarding Applications (Fall only)	2	
SPRING SEMESTER		
CSO 1202 Microsoft Windows (Spring only)		2
CSP 1231 Adv Keyboarding/Document Formatting (Spring only)		3
CSP 2203 Microsoft Office Professional II		3
SDT 1203 Job Seeking Skills		1
SPH 1204 Oral Communication Skills for Business, Industry & Technology (Spring only)		3
Elective (see below)		3
Year Total:	14	15

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1210 Fundamentals of Accounting	3	
CSM 1209 Management Information Systems (Fall only)	3	
CSP 2204 Microsoft Office Professional III (Fall only)	3	
ECN 1202 Fundamentals of Economics	3	
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3	
Year Total:	15	

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Total Credit Hours:

44

## Electives:

All courses with the following prefixes are recommended:

ACT, BUS, ECN, FIN, MGT & MKT, BUL, CSD, CSN, AND CSO

For additional information please consult any counselor at (815) 224-0360 or michelle\_story@ivcc.edu (815) 224-0441.

This curriculum, leading to a certificate, is designed to prepare personnel for entry into general office positions requiring basic computer troubleshooting skills in addition to proficiency in document preparation, bookkeeping, word processing, spreadsheets, databases, and presentation software. Students are strongly encouraged to complete the required courses in the order they are listed above. Some courses may be available only at night or online.

Proficiency exams are available for CSP 1230, CSP 1203, CSO 1202 and CSN 1200. Contact the Workforce Development Division at 815-224-0409 or sandy\_beard@ivcc.edu or speak with a counselor about the available proficiency exams. Proficiency Exam Study Guides are available at <https://www.ivcc.edu/assessment>. Course outline provides course description, working outcomes and related competencies.

2/27/18

**United States Department of Education's Gainful Employment Disclosure** (<https://www.ivcc.edu/ge/Business%20Technology%20II/52.0407-Gedt.html>)

## Certified Nursing Assistant (CNA) Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites: Successful completion of Basic Reading I (RED 0800) or appropriate score on the Accuplacer Placement Test or ACT Reading sub-score of 18. Program Pre-Admission Information is included if applicable.

	Credit Hours
Any Semester	
ALH 1214 Certified Nursing Assistant (CNA)	8
Total Hours	8

For additional information please consult any counselor at (815) 224-0360 or [christine\\_blaydes@ivcc.edu](mailto:christine_blaydes@ivcc.edu), (815)224-0330.

The Certified Nursing Assistant (C.N.A.) curriculum consists of 1 course which includes lecture, college laboratory practice, and clinical experience in long-term care facility. The C.N.A. Program is approved by the Illinois Dept. of Public Health. Effective Fall 2014, a passing grade of 75% in this course is required in order to be eligible to register for the state competency exam and receive state certification (once the exam is passed). Admission to the C.N.A. course/program does not always follow the usual college schedule. Starting dates are announced in the IVCC class schedule and then via letter to the registered students. The program can be completed in 8 weeks. C.N.A. status is required for admission to the RN and/or Practical Nursing Program. Students must be able to demonstrate these abilities to succeed in this program:

1. Lift 35 pounds with no restriction
2. Reading placement test into 0900 or higher or Reading ACT subscore of 18 or higher.
3. Perform basic math skills (add, subtract, multiply and divide)
4. Must be sixteen (16) years of age or older
5. Adhere to strict attendance policies for theory, lab, and clinical classes
6. Demonstrate communication skills to safely engage in care of patient/residents

Certain health requirements must be met for admission to the clinical component of the CNA program:

1. Physical Exam
2. TB Skin Test
3. Urine Drug Screen

PLEASE NOTE: All students will be required to have a fingerprinting criminal background check. A misdemeanor or felony conviction may prevent you from becoming certified and/or working in a healthcare setting. Please visit [www.idph.state.il.us/nar/home.htm](http://www.idph.state.il.us/nar/home.htm) (<http://www.idph.state.il.us/nar/home.htm>) for a listing of disqualifying convictions and waiver information. If you have a disqualifying conviction you must obtain a waiver (as outlined on the Health Care Registry site) prior to starting the ALH 1214 class.

<http://www.ilga.gov/commission/jcar/admincode/068/068013000A01000R.html>

10/26/17

## Certified Production Technician (CPT) Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission information is included if applicable.

		<b>Credit Hours</b>
GNT 1220	Intro Manufacturing & OSHA 10-hr Safety	4
GNT 1225	Quality & Measurement	2
GNT 1230	Manufacturing Processes	3
GNT 1235	Introduction Manufacturing Maintenance	2
MTH 1206	Technical Mathematics I	3
SDT 1201	Career Exploration	1
SDT 1203	Job Seeking Skills	1
<hr/>		
Total Hours		16

Leads to Manufacturing Skills Standards Council (MSSC) CPT Certification.

Leads to OSHA 10 Hour General Industry Certification.

For additional information please contact [jennifer\\_scheri@ivcc.edu](mailto:jennifer_scheri@ivcc.edu) 815-224-0390.

10/23/17

**United States Department of Education's Gainful Employment Disclosure** (<https://www.ivcc.edu/ge/Certified%20Production%20Technologist/48.0503-Gedt.html>)

## Computer Aided Drafting Certificates

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### Architectural/Civil CAD

#### First Year

	Fall	Credits Spring
FALL SEMESTER		
CAD 1200 Computer Aided Draft I AutoCAD	3	
DFT 1200 Basic Drafting	3	
SPRING SEMESTER		
CAD 1201 Comp Aided Draft II, Using AutoCAD		3
CAD 1206 Descriptive Geometry and Development Drawings.		3
Year Total:	6	6

#### Second Year

	Fall	Credits Spring
FALL SEMESTER		
CAD 1202 Civil Applications of CAD	3	
CAD 2200 Computer Aided Design I	3	
CAD 2202 Architectural CAD	3	
Year Total:	9	

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Total Credit Hours:

21

#### United States Department of Education's Gainful Employment Disclosure

### Mechanical/Electronic CAD

#### First Year

	Fall	Credits Spring
FALL SEMESTER		
CAD 1200 Computer Aided Draft I AutoCAD	3	
DFT 1200 Basic Drafting	3	
ELT 1000 Introduction To Electronics	3	
SPRING SEMESTER		
CAD 1201 Comp Aided Draft II, Using AutoCAD		3
CAD 1206 Descriptive Geometry and Development Drawings.		3
Year Total:	9	6

#### Second Year

	Fall	Credits Spring
FALL SEMESTER		
CAD 2200 Computer Aided Design I	3	
SPRING SEMESTER		
CAD 2204 Geometric Dimensioning & Tolerancing		3
Year Total:	3	3

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Total Credit Hours:

21

For additional information please consult any counselor at (815) 224-0360 or [dorene\\_data@ivcc.edu](mailto:dorene_data@ivcc.edu), (815) 224-0221.

Some advanced classes unique to the CAD program may be available only in the evening. 1/24/18

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# Computer Networking Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
CSP 1203 Microsoft Office Professional I	3	
CSO 2202 Comprehensive Windows	3	
CSP 2200 PC Troubleshooting, Upgrade & Repair	3	
ENG 1205 Writ Comm Skills for Bus Ind & Tech	3	
CSN 1225 Core Networking Technologies		3
CSN 1230 Network Administration I		3
CSO 2200 UNIX Operating System		3
CSP 2201 Help Desk/User Support		2
Year Total:	12	11

## Second Year

	Fall	Credits Spring
CSD 1210 Comprehensive Access	3	
CSN 1231 Network Administration II	3	
CSN 2222 Computer Networking Internship	3	
Year Total:	9	

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Total Credit Hours:

32

For additional information please consult any counselor at (815) 224-0360 or [gina\\_elias@ivcc.edu](mailto:gina_elias@ivcc.edu), (815) 224-0329.

This certificate is designed for students who have had prior course work or industry experience with computers.

2/2/18

**United States Department of Education's Gainful Employment Disclosure**

# Computer Numerical Control Operators Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

<b>1st Semester</b>	<b>Summer</b>	<b>Fall</b>	<b>Credits Spring</b>
SUMMER SEMESTER			
DFT 1203 Machine Blueprint Reading	3		
Year Total:	3		
<b>2nd Semester</b>	<b>Summer</b>	<b>Fall</b>	<b>Credits Spring</b>
FALL SEMESTER			
CNC 1200 Fundamentals of CNC Operations		3	
CSP 1210 Basic Computer Skills for The Workplace		1	
MET 1202 Manufacturing Materials & Processes I		4	
Year Total:		8	
<b>3rd Semester</b>	<b>Summer</b>	<b>Fall</b>	<b>Credits Spring</b>
SPRING SEMESTER			
CNC 1202 CNC Milling Machine Operations			3
MET 1200 Inspection, Measurement & Quality			3
MTH 1206 Technical Mathematics I			3
Year Total:			9
<b>4th Semester</b>	<b>Summer</b>	<b>Fall</b>	<b>Credits Spring</b>
FALL SEMESTER			
CNC 1204 CNC Turning Center Operations I		3	
MET 2201 Statistical Quality Control Techniques		3	
Year Total:		6	
<b>5th Semester</b>	<b>Summer</b>	<b>Fall</b>	<b>Credits Spring</b>
SPRING SEMESTER			
CNC 1206 CNC Turning Machine Operations II			3
Year Total:			3
Total Credit Hours:			29

For additional information please consult any counselor at (815) 224-0360 or tim\_bias@ivcc.edu, (815) 224-0261.

NOTES: This program will be available evenings. This program will take at least 4 semesters to complete.

11/17/17

United States Department of Education's Gainful Employment Disclosure



## Criminal Justice Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### First Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
CRJ 1000 Introduction To Criminal Justice	3		
CRJ 1210 Policing in America	3		
FRS 1000 Introduction To Forensic Science	3		
SPRING SEMESTER			
CRJ 1030 Juvenile Delinquency		3	
CRJ 2040 Criminology		3	
CRJ 2050 Issues in Criminal Justice		3	
FRS 2050 Crime Scene Analysis		3	
SUMMER SEMESTER			
CRJ 2280 Criminal Justice Internship			4
CRJ 2290 Criminal Justice Seminar			1
Year Total:	9	12	5

### Second Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
CRJ 2010 Criminal Investigation	3		
CRJ 2030 Evidence and Criminal Procedures	3		
SPRING SEMESTER			
CRJ 1070 Corrections in America		3	
CRJ 2020 Criminal Law		3	
CRJ 2260 Police Community Relations		3	
Year Total:	6	9	

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Total Credit Hours:

41

For additional information please consult any counselor at (815) 224-0360 or ron\_groleau@ivcc.edu, (815) 224-0482.

**Note: Fall/Spring course offerings. \*Please note course offerings per semester. Most CRJ courses are offered in the fall or spring semester, not both.**

10/1/17

United States Department of Education's Gainful Employment Disclosure

## Dental Assisting Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### First Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
DLA 1200 Dental Science I	3		
DLA 1209 Infection Control Practices	1.50		
DLA 1201 Dental Materials & Lab Procedures	4		
DLA 1203 Chairside Assisting I	4		
DLA 1204 Dental Radiography I	3		
DLA 1205 Preventive Dentistry I	1.50		
SPRING SEMESTER			
DLA 1202 Supervised Dental Assisting Practice		1.50	
DLA 1206 Dental Office Management		3	
DLA 2200 Dental Science II		2	
DLA 2201 Dental Laboratory Procedures II		2	
DLA 2203 Chairside Assisting II		3	
DLA 2204 Dental Radiography II		2	
DLA 2205 Expanded Functions		1.50	
SUMMER SEMESTER			
DLA 2202 Clinical Practice			5
Year Total:	17	15	5

Total Credit Hours:

37

For additional information please consult any counselor at (815) 224-0360 or heather\_seggi@ivcc.edu, 224-0359.

BIO 1200 & SPH 1001 are highly recommended prior to admission. Consider taking these courses the spring or summer before beginning the program.

All students will be required to have a criminal background check and a 10 panel urine drug screen prior to starting the program.

To enroll in any DLA course, students must hold a current Healthcare provider CPR/BLS card. A grade of "C" or better is required in **all** coursework in order to continue in the program.

Professional Writing Workshop scheduled by Program Coordinator is required one time each semester enrolled.

PLEASE NOTE: The above excerpts have been taken from the "IVCC Dental Assisting Handbook". Please refer to that document for all application, admission, and retention information.

5/31/18

**United States Department of Education's Gainful Employment Disclosure**

# Early Childhood Education Gateways Credential Certificates

## Level 2

This certificate is intended for students who are currently employed in the early childhood field as teacher assistants and wish to gain the Level 2 credential for the program's ExceleRate status. If student is planning to transfer to a 4-year university, it is important to review the GATEWAYS CREDENTIAL LEVEL 3 CERTIFICATE to insure seamless transfer from Level 2 to Level 3 and/or meet with IVCC ECE Program Coordinator or IVCC Counselor. ECE courses are sequenced (fall/spring) and students beginning in the spring semester may take longer for completion of certificate.

### Required Courses:

#### 1st Semester

	Credits
ECE 1000 Introduction To Early Childhood Education.	3
ECE 1027 Child, Family, School & Community (Fall only)	3
PSY 2001 Child Growth and Development	3
Year Total:	9

#### 2nd Semester

	Credits
ECE 1005 Health, Safety and Nutrition (Spring only)	3
ECE 2005 The Exceptional Learner	3
ECE 2202 Curriculum Programming (Spring only)	3
Year Total:	9

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Total Credit Hours:	18
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Students intending to transfer to a 4-year baccalaureate program must consult with an IVCC Counselor. The transfer schools' general education requirements vary, and may affect a candidate's program enrollment or recognition as an Early Childhood Education major. The passage of the TAP, ACT plus Writing, SAT, or other assessments is required for admission to most ECE majors.

United States Department of Education's Gainful Employment Disclosure

## Infant/Toddler Gateways Credential Level 2 Certificate

(must earn above ECE Gateways Level 2 Certificate)

#### Any Semester

	Credits
ECE 1202 Foundations & Trends for Infant/Toddler/ Two Care & Education (Fall only)	3
Year Total:	3

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Total Credit Hours:	3
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### Total 21 credit hours

For additional information please consult any counselor at (815) 224-0360 or tammy\_landgraf@ivcc.edu, (815) 224-0477.

4/23/18

## Level 3

This certificate is intended for students who plan to transfer to a 4-year university. All or some of the ECE courses will be implemented into the ECE AA degree depending on the university of choice with the addition of general education courses. It will also be used for students employed in the early childhood field who wish to gain the Level 3 credential for the program's ExceleRate status. ECE courses are sequenced (fall/spring) and students beginning in the spring semester may take longer for completion of certificate.

#### 1st Semester

	Credits
ECE 1000 Introduction To Early Childhood Education.	3
ECE 1027 Child, Family, School & Community (Fall only)	3
PSY 2001 Child Growth and Development	3
Year Total:	9

#### 2nd Semester

	Credits
ECE 1005 Health, Safety and Nutrition (Spring only)	3
ECE 2005 The Exceptional Learner	3
ECE 2202 Curriculum Programming (Spring only)	3
Year Total:	9

**3rd Semester**

	<b>Credits</b>
ECE 1205 Mathematics for Young Children (Fall only or IAI General Education Math)	3
ECE 2207 Observation and Assessment (Fall only)	3
ENG 1001 English Composition I	3
Year Total:	9

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Total Credit Hours: 27

Students intending to transfer to a 4-year baccalaureate program must consult with an IVCC Counselor. The transfer schools' general education requirements vary, and may affect a candidate's program enrollment or recognition as an Early Childhood Education major. The passage of the TAP, ACT plus Writing, SAT, or other assessments is required for admission to most ECE majors.

**United States Department of Education's Gainful Employment Disclosure****Infant/Toddler Gateways Credential Level 3 Certificate****(must earn above ECE Gateways Level 3 Certificate)****Any Semester**

	<b>Credits</b>
ECE 1202 Foundations & Trends for Infant/Toddler/ Two Care & Education (Fall only)	3
ECE 1204 Developmentally Appropriate Practices For Infants, Toddlers, and Two's (Spring only)	3
Year Total:	6

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Total Credit Hours: 6

**Total 33 credit hours**

For additional information please consult any counselor at (815) 224-0360 or tammy\_landgraf@ivcc.edu (815) 224-0477.

**Pending ICCB Approval**

12/5/17

## Forensic Specialist Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### First Year

	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
CRJ 1000 Introduction To Criminal Justice	3		
CRJ 2010 Criminal Investigation	3		
CRJ 2030 Evidence and Criminal Procedures	3		
FRS 1000 Introduction To Forensic Science	3		
FRS 2040 Forensic Photography	3		
<b>SPRING SEMESTER</b>			
CRJ 2020 Criminal Law		3	
FRS 2010 Basic Prin Documentation & Communication		3	
FRS 2030 Trace Evidence		3	
FRS 2050 Crime Scene Analysis		3	
<b>SUMMER SEMESTER</b>			
FRS 2280 Forensic Specialists Practicum			4
FRS 2290 Forensic Specialists Practicum Seminar			1
Year Total:	15	12	5
<b>Total Credit Hours:</b>			<b>32</b>

For additional information please consult any counselor at (815) 224-0360 or [ron\\_groleau@ivcc.edu](mailto:ron_groleau@ivcc.edu), (815) 224-0482.

\*Please note course offerings per semester. Most FRS & CRJ courses are offered in the fall or spring semester, not both.  
Note: Fall/Spring course offerings.

\*FRS 2010 & 2030 will be offered every other year. Please plan accordingly.

10/1/17

**United States Department of Education's Gainful Employment Disclosure**

# Graphic Design Technology Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

<b>First Year</b>	<b>Fall</b>	<b>Credits Spring</b>
FALL SEMESTER		
ART 1002 Drawing I	3	
ART 1005 Design I	3	
GDT 1201 Introduction To Page Layout	3	
GDT 1202 Photoshop I for Graphic Design	3	
SPRING SEMESTER		
GDT 1204 Web Design for Graphic Design		3
GDT 1222 Introduction To Illustrator		3
GDT 2006 Visual Communications I		3
SDT 1203 Job Seeking Skills		1
Elective(s) (See below)		3
Year Total:	12	13
<hr/>		
Total Credit Hours:		25

## Electives:

ART 1000, ART 1007, ART 1009, ART 1010, GDT 1207

For additional information please consult any counselor at (815) 224-0360 or the Division office at 815-224-0487.

ART 1002 and 1005 should be taken concurrently or previously to GDT 1201 and 1202.

This certificate will equip the student with the skills needed to take an entry-level position in a graphics or printing firm. The student will have the basic knowledge of industry standard software. A graphic designer's duties may include layout and typesetting of ads and printed materials. This certificate is also helpful to anyone in the marketing, journalism or public relations and promotion field. It will equip them to better prepare any in-house material such as newsletters and small scale advertising. Art instructors and those already working in the graphic design field that need to brush up on their skills or knowledge in digital design would benefit from this certificate. It would also be helpful to anyone who wants a better understanding of graphic design and digital art for home or small business use.

5/8/18

**United States Department of Education's Gainful Employment Disclosure**

# Human Services Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
CSP 1210 Basic Computer Skills for The Workplace	1	
HSR 1000 Introduction To Human Services	3	
SPRING SEMESTER		
HSR 1201 Counseling Methods & Interviewing Tech		3
HSR 1202 Helping Across Cultures		3
HSR 1204 Addictive Disorders		3
Year Total:	4	9

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
HSR 1203 Group Dynamics	3	
HSR 1205 Case Management Skills	3	
HSR 1206 Practicum I	4	
Year Total:	10	

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Total Credit Hours:

23

For additional information please consult any counselor at (815) 224-0360 or [jean\\_batson-turner@ivcc.edu](mailto:jean_batson-turner@ivcc.edu), (815) 224-0268.

This certificate introduces the student to basic information about the discipline of Human Services and provides theoretical application and skills training in a broad variety of techniques needed for effective Human Service intervention. It can be taken by persons with no previous college as well as by persons with a college background who wish to retrain in this field. Classes can also be applied to the AAS degree in Human Services.

11/17/17

**United States Department of Education's Gainful Employment Disclosure**



## Heating, Ventilation, and Air Conditioning (HVAC) Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

<b>First Year</b>	<b>Fall</b>	<b>Spring</b>	<b>Credits</b>
<b>FALL SEMESTER</b>			
ELE 1200 Basic Industrial Electricity I	4		
HVC 1210 Basic Heating	3		
HVC 1220 Basic Refrigeration	3		
HVC 1230 Sheet Metal Fabrication	3		
<b>SPRING SEMESTER</b>			
ELE 1202 Motors and Controls I		2.50	
ELE 1204 Programmable Logic Controllers I		3	
ELE 1206 Electrical Wiring		2	
HVC 1240 Design, Installation & Servicing		3	
HVC 2210 Advanced Heating		3	
Year Total:	13	13.5	
<b>Any Semester</b>			
	<b>Fall</b>	<b>Spring</b>	<b>Credits</b>
<b>ANY SEMESTER</b>			
CSP 1203 Microsoft Office Professional I or CAD 1200 Computer Aided Draft I AutoCAD			3
Year Total:			3
Total Credit Hours:			29.5

For additional information please consult any counselor at (815) 224-0360 or Jennifer\_Scheri@ivcc.edu (815) 224-0390.

Students are strongly encouraged to complete the required courses in the order listed above.

10/23/17

**United States Department of Education's Gainful Employment Disclosure**

# Industrial Electricians Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
ALH 1221 Industrial First Aid or HPE 1004 First Aid or EMS 2200 Emergency Medical Responder	1-4	
ELE 1200 Basic Industrial Electricity I	4	
ELE 1220 Electrical Safety	1	
SPRING SEMESTER		
ELE 1201 Basic Industrial Electricity II		4
Year Total:	6-9	4

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
ELE 1202 Motors and Controls I	2.50	
ENG 1205 Writ Comm Skills for Bus Ind & Tech or SPH 1204 Oral Communication Skills for Business, Industry & Technology	3	
SPRING SEMESTER		
ELE 1203 Motors and Controls II		2.50
ELE 1206 Electrical Wiring		2
Year Total:	5.5	4.5

## Third Year

	Fall	Credits Spring
FALL SEMESTER		
ELE 1204 Programmable Logic Controllers I	3	
ELT 1200 Beginning Industrial Electronics	2.50	
SPRING SEMESTER		
ELE 1205 Programmable Logic Controllers II		3
ELT 1203 Industrial Instrumentation		2.50
Year Total:	5.5	5.5

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Total Credit Hours:	31-34
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For additional information please consult any counselor at (815) 224-0360 or jim\_gibson@ivcc.edu, (815) 224-0453.

Recommended additional courses to become more proficient in this field:

	Credit Hours
IMT 1200 Equipment Maintenance	3
IMT 1205 Industrial Hydraulics	3
IMT 1206 Industrial Pneumatics	2
Total Hours	8

This is a three-year (six semester) program requiring attendance two evenings a week. It covers basic electricity, schematic reading, electric motors, motor control devices and circuits, programmable logic controllers and basic wiring techniques. ELT 1204, 2205, & 2207 may be substituted for ELE 1200 & 1201. 2/14/17

**United States Department of Education's Gainful Employment Disclosure**

# Industrial Maintenance Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
ELE 1200 Basic Industrial Electricity I	4	
IMT 1200 Equipment Maintenance	3	
IMT 1208 Industrial Safety or GNT 1220 Intro Manufacturing & OSHA 10-hr Safety	1-4	
SPRING SEMESTER		
IMT 1206 Industrial Pneumatics		2
IMT 1207 Pipefitting		2
MTH 1206 Technical Mathematics I		3
Year Total:	8-11	7

## Second Year

	Fall	Credits Spring
FALL SEMESTER		
DFT 1203 Machine Blueprint Reading	3	
ELE 1202 Motors and Controls I or ELE 1204 Programmable Logic Controllers I	2.5-3	
SPRING SEMESTER		
IMT 1205 Industrial Hydraulics		3
IMT 1220 Rigging Systems		3
WLD 1200 Stick, Plate, Flat Arc Welding*		2
Year Total:	5.5-6	8

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Total Credit Hours:

28.5-32

For additional information please consult any counselor at (815) 224-0360 or tim\_bias@ivcc.edu, (815) 224-0261. This program will be available evenings.

\*Registration in WLD 1200 is completed through Paul Leadingham. Please contact him directly at paul\_leadingham@ivcc.edu or 815-224-0319.

11/17/17

**United States Department of Education's Gainful Employment Disclosure**

# Machinist and Tool and Die Making Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

	Credits	
	Fall	Spring
<b>First Year</b>		
FALL SEMESTER		
DFT 1203 Machine Blueprint Reading	3	
MTH 1206 Technical Mathematics I	3	
SPRING SEMESTER		
DFT 1200 Basic Drafting		3
MET 1200 Inspection, Measurement & Quality <small>Offered Spring odd years only</small>		3
Year Total:	6	6
<b>Second Year</b>		
FALL SEMESTER		
MET 1202 Manufacturing Materials & Processes I	4	
SPRING SEMESTER		
MET 1203 Manufacturing Materials & Processes II		3
Year Total:	4	3
<b>Third Year</b>		
FALL SEMESTER		
CNC 1200 Fundamentals of CNC Operations	3	
MET 1204 Tooling Processes I	3	
SPRING SEMESTER		
MET 1205 Tooling Processes II		3
Year Total:	6	3
Total Credit Hours:		28

For additional information please consult any counselor at (815) 224-0360 or tim\_bias@ivcc.edu, (815) 224-0261.

The Tool & Die Maker/Machinist Apprenticeship Program requires the satisfactory completion of the above courses and completion of the 8000 hours of on-the-job training under supervision of a certified Journey worker approved by the U.S. Dept. of Labor Bureau of Apprenticeship. The apprenticeship option is typically intended for persons currently employed in industry.

This program may take up to 3 years to complete. Some classes only available evenings.

11/17/17

United States Department of Education's Gainful Employment Disclosure

# Paramedic Certificate

First Year	Fall	Spring	Credits Summer
FALL SEMESTER			
EMS 2210 Paramedic I-Intro	4		
EMS 2211 Paramedic II Pharmacology	4		
EMS 2212 Paramedic III Practicum I	2		
SPRING SEMESTER			
EMS 2213 Paramedic IV - Medical Emergency I		3	
EMS 2214 Paramedic V - Medical Emergency II		3	
EMS 2215 Paramedic VI - Paramedic Practicum II		3	
EMS 2216 Paramedic VII - Shock/Trauma		3	
PRE-SUMMER SEMESTER			
EMS 2217 Paramedic VIII- Special Populations & EMS Operations			3
SUMMER SEMESTER			
EMS 1201 International Trauma Life Support Provider Course (ITLS)			1
EMS 1203 Advanced Cardiac Life Support			1
EMS 1204 Pediatric Advanced Life Support			1
EMS 2218 Paramedic IX - Practicum III			5
Year Total:	10	12	11
Total Credit Hours:			33

For additional information please consult a counselor at 815-224-0360 or the Health Professions Division Office at 815-224-0485.

## Prerequisite Requirements:

1. The applicant must possess a valid American Heart Association or American Red Cross Healthcare Provider CPR card prior to within 2 weeks of the start of the Paramedic program.
2. The applicant must have a background check, assume the cost of the background check, and have NO felony convictions listed on the background check.
3. The applicant must possess a high school diploma or equivalent (copies are required).
4. The applicant must hold a current and unrestricted state EMT-Basic or EMT-Intermediate license.
5. The applicant will be required to present an EMT-B or EMT-I license and a State Photo ID prior to the Paramedic Entrance Exam test being administered.
6. The applicant will be required to take a written Paramedic Entrance Exam similar to the EMT-B licensure exam. A passing score will be 80% on a 100 question exam.
7. The applicant must complete the hands on practical skills Paramedic Entrance Exam assessment tests (6-8 stations). The scope and grading of the practical skills will be based on the National Registry Skills forms. These forms may be downloaded at no cost at [http://www.nremt.org/nremt/about/exam\\_coord\\_man.asp#BSkillSheets](http://www.nremt.org/nremt/about/exam_coord_man.asp#BSkillSheets). Students will be required to pass each skills station with a minimum score of 80%.
8. The student will be allowed one opportunity to re-test on either the skills or written exam, if necessary to obtain a score of 80%, but will not be allowed to re-test on both tests.
9. Student must have a physical performed by personal physician and at the student's cost within the past year. The IVCC Health Assessment Form must be used.
10. Student must have received all required immunizations as outlined on the health assessment form.
11. All required health information MUST be provided by October 1st before any clinical study begins.
12. Please contact the Health Professions Division Office at 815-224-0485 by May 1st, 2018 to be placed on the list to be notified of the Paramedic Entrance Exam testing dates and times.

4/16/18

United States Department of Education's Gainful Employment Disclosure

# Phlebotomy Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## Any Semester

		<b>Credit Hours</b>
ALH 1001	Terminology of The Health Field	3
ALH 1250	Principles & Practices of Phlebotomy	3
ALH 1251	Phlebotomy Practicum	3
<hr/>		
Total Hours		9

For additional information please consult any counselor at (815) 224-0360 or the Division of Health Professions, (815) 224-0485 or [julie\\_hogue@ivcc.edu](mailto:julie_hogue@ivcc.edu) ([julie\\_hogue@ivcc.edu](mailto:julie_hogue@ivcc.edu)). ALH 1001 is a pre-requisite and/or co-requisite for both ALH 1250 & 1251. Students who want to take ALH 1001 concurrently with ALH 1250 must see a Counselor. Completing the Phlebotomy Certificate is a two-step process. ALH 1251 must be taken immediately after successful completion of ALH 1250.

You must receive a "B" or better in ALH 1250 to be able to enter ALH 1251.

All students will be required to have a criminal background check and a 10 panel urine drug screen prior to beginning ALH 1251. A felony and certain misdemeanors may prevent you from working in a healthcare setting. A two-step TB Skin Test is also required for admission to ALH 1251. The Hepatitis B Vaccination series is strongly recommended. Additional immunization verification, a seasonal flu shot, and CPR Certification may also be required prior to beginning ALH 1251 based on clinical assignment.

Students must be 18 years of age and possess a high school diploma or GED to meet the qualifications to take the ASCP Phlebotomy Certification Exam.

10/26/17

# Practical Nursing (LPN) Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of individual courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

First Year	Fall	Spring	Credits Summer
<b>FALL SEMESTER</b>			
ALH 1002 Human Growth & Development for Health Workers	3		
BIO 1007 Anatomy & Physiology I	4		
BIO 1009 Microbiology	4		
NUR 1201 Fundamentals of Nursing I	4		
NUR 1202 Fundamentals of Nursing II	4		
NUR 1205 Pharmacology I for The Nursing Student	1.50		
<b>SPRING SEMESTER</b>			
ALH 1000 Introduction To Nutrition		3	
BIO 1008 Anatomy & Physiology II		4	
ENG 1001 English Composition I		3	
NUR 1206 Pharmacology II for The Nursing Student		1.50	
PSY 1000 General Psychology		3	
NUR 1210 Mental Health Nursing		3	
NUR 1211 Holistic Nursing I		5	
<b>SUMMER SEMESTER</b>			
NUR 1220 Role of The Licensed Practical Nurse			1
NUR 1221 Holistic Medical/Surgical Nursing for The Practical Nurse.			5
Year Total:	20.5	22.5	6
Total Credit Hours:			49

For additional information please consult any counselor at (815) 224-0360 or Julie\_Hogue@ivcc.edu. (815) 224-0481.

Students are encouraged to see a counselor for admission and application information for the Nursing program. Students are also encouraged to attend a Nursing Information Session, call (815) 224-0439 for details.

Although the program is designed to be completed in two semesters and a summer, it is highly recommended that students complete most, if not all non-nursing courses prior to the start of the first Nursing course. If not, all non-nursing, general education courses, must be completed prior to or concurrently with the nursing courses with which they are listed in the curriculum pattern. Failure to complete these general education courses will result in a student being ineligible for graduation and ineligible to take the NCLEX exam for licensure.

All nursing and non-nursing courses must be completed with a "C" or better. Successful completion of Certified Nursing Assistant (CNA) Program is required for admission into Nursing Program. SFC 1000 and ALH 1001 are recommended.

Most nursing courses (NUR) are 8 weeks in length, 4 days a week. There is no evening or part-time program.

PLEASE NOTE: The above excerpts have been taken from the IVCC Nursing Admission Handbook, [ivcc.edu/admissions](http://ivcc.edu/admissions). Please refer to that document for all application, admission, and retention information. All students will be required to have a criminal background check and a drug test prior to starting the program. A felony may prevent you from becoming licensed and/or working in a health care profession.

<http://www.ilga.gov/commission/jcar/admincode/068/068013000A01000R.html>

10/26/17

**United States Department of Education's Gainful Employment Disclosure**



# Process Operations Technology Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admissions Information is included if applicable.

## First Year

	Fall	Credits Spring
FALL SEMESTER		
CSP 1210 Basic Computer Skills for The Workplace	1	
ELT 1200 Beginning Industrial Electronics	2.50	
IMT 1208 Industrial Safety or GNT 1220 Intro Manufacturing & OSHA 10-hr Safety	1-4	
MET 2201 Statistical Quality Control Techniques <small>Offered in Fall even years only</small>	3	
SPRING SEMESTER		
CHM 1000 Introduction To Chemistry		3
ELT 1203 Industrial Instrumentation		2.50
ENG 1205 Writ Comm Skills for Bus Ind & Tech		3
MTH 1206 Technical Mathematics I		3
Year Total:	7.5-10.5	11.5

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Total Credit Hours:

19-22

For additional information please consult any counselor at (815) 224-0360 or [mailto:Shane\\_Lange@ivcc.edu](mailto:Shane_Lange@ivcc.edu) (Shane\_Lange@ivcc.edu)(815) 224-0219

Students will build foundational skills, including chemistry, electronics and instrumentation. The courses will focus on both theory and hands-on experience with lab exercises and industry demonstrations and visits. Students will learn about process systems, process equipment, instrumentation, troubleshooting, and reading blue prints and schematics. Safety will be stressed throughout the entire curriculum. The program will also include written and oral communication skills, technical mathematics, and computer applications. The goal of this program is to provide area employers with an entering workforce that will have the necessary basic skills to safely and successfully perform those duties required for an entry-level process operator.

1/30/18

**United States Department of Education's Gainful Employment Disclosure** (<https://www.ivcc.edu/ge/Process%20Operations%20Technology/15.0699-Gedt.html>)

## Renewable Wind Energy Technician Certificates (Basic/ Advanced)

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### Basic

#### First Year

	Fall	Spring	Credits Summer
FALL SEMESTER			
ALH 1221 Industrial First Aid or HPE 1004 First Aid or EMS 2200 Emergency Medical Responder	1-4		
CSN 1225 Core Networking Technologies	3		
ELE 1220 Electrical Safety	1		
ELT 1204 Fundamentals of Electronics: Dc/Ac Theory and Circuit Analysis	5		
ELT 2205 Prototype Design and Fabrication	2		
IMT 1200 Equipment Maintenance	3		
Elective (see below)*	1		
SPRING SEMESTER			
CSP 1210 Basic Computer Skills for The Workplace		1	
ELE 1202 Motors and Controls I		2.50	
ELE 1204 Programmable Logic Controllers I		3	
IMT 1205 Industrial Hydraulics		3	
IMT 1220 Rigging Systems		3	
WND 2200 Wind Turbine Control, Operation & Maintenance		4	
SUMMER SEMESTER			
WND 2222 Wind Energy Tech Internship or GNT 1240 OSHA 30 Hour General Industry			3
Year Total:	16-19	16.5	3
Total Credit Hours:			35.5-38.5

**\*Only choose 1 course (minimum of 1 credit) from any course in the Workforce Development Division if taking ALH 1221. If taking HPE 1004 or EMS 2200, elective course is not required. Course prefix's include: AGR, ATO, CSD, CSG, CSI, CSM, CSN, CSO, CSP, CSS, CSW, CAD, DFT, EGR, ELE, ELT, GNT, HVC, HRT, CNC, IMT, MET, PRO, RBA, WED, WHS, WLD or TDT**  
ELE 1200 & ELE 1201 can be substituted for ELT 1204 & ELT 2205.

2/22/18

United States Department of Education's Gainful Employment Disclosure

### Advanced Renewable Wind Energy Technician Certificate

#### First Year

		Credits Fall
ELE 1203 Motors and Controls II		2.50
ELE 1205 Programmable Logic Controllers II		3
ELE 2204 Power Generation & Distribution		3
ELT 1200 Beginning Industrial Electronics		2.50
ELT 2210 HMI, SCADA & Fiber Optics		3
EMS 2200 Emergency Medical Responder		4
Year Total:		18
Total Credit Hours:		18

For additional information please consult any counselor at (815) 224-0360 or jim\_gibson@ivcc.edu, (815) 224-0453.

Advanced Renewable Wind Energy Technician Certificate prerequisite: requires completion of the Basic Renewable Wind Energy Technician Certificate.

2/22/18

United States Department of Education's Gainful Employment Disclosure

## Retailing/Merchandising Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### First Year

	Fall	Credits Spring
FALL SEMESTER		
BUS 1010 Introduction To Business	3	
BUS 1230 Math for Business & Finance	3	
CSN 1200 Using Internet and The World Wide Web	3	
CSP 1203 Microsoft Office Professional I	3	
SPRING SEMESTER		
MGT 2010 Principles of Management		3
MKT 1210 Principles of Marketing		3
MKT 1220 Sales/Retailing		3
SPH 1204 Oral Communication Skills for Business, Industry & Technology		3
Year Total:	12	12

### Second Year

	Fall	Credits Spring
FALL SEMESTER		
ACT 1210 Fundamentals of Accounting	3	
MGT 1230 Owning and Operating a Small Business	3	
MKT 2210 Principles of Advertising	3	
SDT 1203 Job Seeking Skills	1	
Year Total:	10	

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Total Credit Hours:

34

For additional information please consult any counselor at (815) 224-0360 or bob\_reese@ivcc.edu (), (815) 224-0354. The program is specifically designed to prepare students for work in a retail environment. Further course work can be taken to complete the AAS degree in Marketing. Some courses may be available only at night or in specific semesters.

11/10/17

(<https://www.ivcc.edu/ge/Retailing-Merchandising/52.1804-Gedt.html>) **United States Department of Education's Gainful Employment Disclosure**

# Substance Abuse Treatment Certificates

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## Basic Certificate

### First Year

	Fall	Credits Spring
FALL SEMESTER		
HSR 1000 Introduction To Human Services	3	
PSY 1000 General Psychology	3	
SPRING SEMESTER		
HSR 1201 Counseling Methods & Interviewing Tech		3
HSR 1202 Helping Across Cultures		3
HSR 1204 Addictive Disorders		3
HSR 1208 Substance Abuse Treatment Internship		5
PSY 2006 Abnormal Psychology		3
Year Total:	6	17
Total Credit Hours:		23

For additional information please consult sherry\_dockins@ (sherry\_dockins@ivcc.edu)ivcc.edu (sherry\_dockins@ivcc.edu). HSR 1208 must be completed at an approved substance abuse agency. See Sherry Dockins for details on approved agencies. This Substance Abuse Certificate is accredited by the Illinois Alcohol & Other Drug Abuse Professional Certification Association (IAODAPCA). See <http://www.iaodapca.org/> for information on credentialing.

Transfer options for Human Services B.S. Degrees are available.

2/23/15

## Advanced Certificate

### First Year

	Fall	Credits Spring
FALL SEMESTER		
CRJ 2050 Issues in Criminal Justice <small>Offered evenings Fall odd years only</small>	3	
HSR 1000 Introduction To Human Services	3	
HSR 1203 Group Dynamics	3	
HSR 1205 Case Management Skills	3	
PSY 1000 General Psychology	3	
SPRING SEMESTER		
HSR 1201 Counseling Methods & Interviewing Tech		3
HSR 1202 Helping Across Cultures		3
HSR 1204 Addictive Disorders		3
HSR 1208 Substance Abuse Treatment Internship		5
PSY 2006 Abnormal Psychology		3
SOC 1000 Introduction To Sociology		3
Year Total:	15	20
Total Credit Hours:		35

For additional information please consult sherry\_dockins@ (sherry\_dockins@ivcc.edu)ivcc.edu (sherry\_dockins@ivcc.edu). HSR 1208 must be completed at an approved substance abuse agency. See Sherry Dockins for details on approved agencies. **CRJ 2050 - Students must take the section entitled, "Issues in Criminal Justice: Drugs in America."** This Substance Abuse Certificate is accredited by the Illinois Alcohol & Other Drug Abuse Professional Certification Association (IAODAPCA). See <http://www.iaodapca.org/> for information on credentialing.

<https://www.ivcc.edu/facultywebpages/dockins.aspx?id=22763>

11/17/17

United States Department of Education's Gainful Employment Disclosure (<https://www.ivcc.edu/ge/Substance%20Abuse%20Treatment%20-%20Advanced/51.1501-Gedt.html>)

# Therapeutic Massage Certificate

## Option 1 Full-time

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### Pre Admission Requirements

		Credit Hours
ALH 1001	Terminology of The Health Field	3
BIO 1200	Human Body Structure & Function	3
THM 1200	Introduction To Therapeutic Massage	1.50
Total Hours		7.5

#### 1st Semester

	Fall	Spring	Credits Summer
FALL SEMESTER			
THM 1202 Musculoskeletal System	5		
THM 1204 Therapeutic Massage Techniques I	5		
THM 1208 Professional Development & Ethics	2		
Year Total:	12		

#### 2nd Semester

	Fall	Spring	Credits Summer
SPRING SEMESTER			
THM 1212 Pathology for Massage Therapy		3	
THM 1214 Therapeutic Massage Techniques II		5	
THM 1218 Therapeutic Massage Clinical		2	
THM 1226 Therapeutic Massage Bus. Pract. & Ethics		3	
Year Total:		13	

#### 3rd Semester

	Fall	Spring	Credits Summer
SUMMER SEMESTER			
THM 1222 Therapeutic Massage Capstone Seminar			2
THM 1224 Therapeutic Massage Techniques III			5
THM 1228 Therapeutic Massage Clinical			2
Year Total:			9

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Total Credit Hours:

34

## Advanced Clinical Certificate

Must be an Illinois Licensed Massage Therapist (or license pending) and receive approval from the THM Program Coordinator to enroll in this Advanced Certificate. This Advanced Certificate is directed toward Licensed (or Licensed pending) Massage Therapists who wish to expand their scope of practice into the healthcare field. This Advanced Certificate includes 3 aspects of healthcare: Lifespan, Chronic diseases, and Musculoskeletal problems.

### 1st Semester

	<b>Fall</b>	<b>Credits Spring</b>
FALL SEMESTER		
THM 2204 Clinical Massage I: Upper & Lower Body	6	
Year Total:	6	

### 2nd Semester

	<b>Fall</b>	<b>Credits Spring</b>
SPRING SEMESTER		
THM 2214 Clinical Massage II:Chronic Health Conditions		6
Year Total:		6

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Total Credit Hours: 12

For additional information please consult any counselor at (815) 224-0360 or roxanne\_cherpeske@ivcc.edu (815) 224-0507.

PLEASE NOTE: The above excerpts have been taken from the "IVCC Therapeutic Massage Handbook". Please refer to that document for all application, admission, and retention information.

3/30/18

**United States Department of Education's Gainful Employment Disclosure**

# Therapeutic Massage Certificate

## Option 2 Part-time

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### Pre Admission Requirements

		Credit Hours		
ALH 1001	Terminology of The Health Field			3
BIO 1200	Human Body Structure & Function			3
THM 1200	Introduction To Therapeutic Massage			1.50
Total Hours				7.5
<b>1st Semester</b>				
		<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
FALL SEMESTER				
	THM 1202 Musculoskeletal System	5		
	Year Total:	5		
<b>2nd Semester</b>				
		<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
SPRING SEMESTER				
	THM 1212 Pathology for Massage Therapy		3	
	THM 1226 Therapeutic Massage Bus. Pract. & Ethics		3	
	Year Total:		6	
<b>3rd Semester</b>				
		<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
FALL SEMESTER				
	THM 1204 Therapeutic Massage Techniques I	5		
	THM 1208 Professional Development & Ethics	2		
	Year Total:	7		
<b>4th Semester</b>				
		<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
SPRING SEMESTER				
	THM 1214 Therapeutic Massage Techniques II		5	
	THM 1218 Therapeutic Massage Clinical		2	
	Year Total:		7	
<b>5th Semester</b>				
		<b>Fall</b>	<b>Spring</b>	<b>Credits Summer</b>
SUMMER SEMESTER				
	THM 1222 Therapeutic Massage Capstone Seminar			2
	THM 1224 Therapeutic Massage Techniques III			5
	THM 1228 Therapeutic Massage Clinical			2
	Year Total:			9
Total Credit Hours:				34



## Advanced Clinical Certificate

Must be an Illinois Licensed Massage Therapist (or License pending) and receive approval from the THM Program Coordinator to enroll in this Advanced Certificate. This Advanced Certificate is directed toward Licensed (or Licensed pending) Massage Therapists who wish to expand their scope of practice into the healthcare field. This Advanced Certificate includes 3 aspects of healthcare. Lifespan, Chronic diseases, and Musculoskeletal problems.

### 1st Semester

#### FALL SEMESTER

THM 2204 Clinical Massage I: Upper & Lower Body

Year Total:

Fall

6

6

Credits

Spring

### 2nd Semester

#### SPRING SEMESTER

THM 2214 Clinical Massage II: Chronic Health Conditions

Year Total:

Fall

6

6

Credits

Spring

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Total Credit Hours:

12

For additional information please consult any counselor at (815) 224-0360 or roxanne\_cherpeske@ivcc.edu, (815) 224-0507.

PLEASE NOTE: The above excerpts have been taken from the "IVCC Therapeutic Massage Handbook". Please refer to that document for all application, admission, and retention information.

3/30/18

**United States Department of Education's Gainful Employment Disclosure**

# Truck Driver Training Certificates

## Basic Truck Driver Training Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

Any Semester	Credits
TDT 1201 Truck Driving Training I	3
TDT 1202 Truck Driver Training II	7
Year Total:	10
<hr/>	
Total Credit Hours:	10

**Students who want to utilize Financial Aid\*\* (Pell Grant, MAP Grant, or student loans) MUST pursue the Advanced Truck Driver Training Proficiency Certificate. The Basic TDT program is not eligible for financial aid or student loans, but eligible veterans may utilize their educational benefits for this program. For additional information, please consult Bruce Hartman (bruce\_hartman@ivcc.edu or 815-224-0266.)**

The Truck Driver Training classes total 160 hours which are a combination of classroom and equipment training. Students have the opportunity to choose between day and evening classes. Day classes are 4 weeks long and meet Monday through Friday from 8:00 a.m. - 4:30 p.m. Evening classes are 6 weeks long and meet Monday through Friday 5:00 - 10:00 p.m. and require 1 Saturday drive. The classroom training is TDT 1201. The equipment training is TDT 1202.

Potential salary base: The IDES employment outlook for truck drivers show greater than average growth through 2017. Opportunities for truck drivers should be good for qualified drivers at all levels. Regional drivers will make an average of \$37,000 to \$58,000 their first year with a significant increase thereafter. 2/14/17

## Advanced Truck Driver Training Proficiency Certificate

Students must complete 6 credits of electives prior to enrolling in TDT courses. The 6 credit hours can be chosen from any course that has the prefixes from the list below and/or TDT-1204 or ALH 1221.

### Electives:

BUS, CSP, ELE, ELT, GNT, HPE, IMT, MTH, PSY, RED, SDT, SOC, WHS, WLD and/or TDT 1204 or ALH 1221.

### After Completion of Electives:

Any Semester	Credits
Elective	3
Elective	3
TDT 1201 Truck Driving Training I	3
TDT 1202 Truck Driver Training II	7
Year Total:	16
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Total Credit Hours:	16

For additional information please consult bruce\_hartman@ivcc.edu (815) 224-0266.

10/23/17

United States Department of Education's Gainful Employment Disclosure

# Welding Registration

## How to Register Each Semester

### If you are a current welding student:

1. About two weeks before the end of your current welding course, Paul Leadingham, Welding Program Coordinator, will hold a welding registration session for your welding section.
2. Mr. Leadingham will advise you on the next welding course(s) to take in the upcoming semester and fill out a registration form for you.
3. You will complete your personal information on the registration form.
4. Registration is submitted for you to the IVCC Admissions Office.
5. IVCC will mail your class schedule to the address on file for you along with the amount you owe.
6. If you desire to take additional courses in the same semester, you need to register with the IVCC counselors or go to WebAdvisor and process the registration.
7. An updated class schedule and tuition/fees due will be mailed to you.
8. Pay for your selected courses prior to the first "purge for non-payment" in order to hold your class schedule.
9. If payment is not processed in time, the welding courses you selected will be purged. In order to get back into welding courses, you will need to follow the steps below to register for welding courses.

### If you are NOT a current welding student or were dropped for non-payment:

1. Call (815) 224-0439 or visit the IVCC Admissions Office during office hours.
2. Ask to have your name added to the next public Welding Registration session.
3. Write down the date, time, and IVCC location of the session.
4. On your welding registration session date, be sure to arrive on time.
5. Mr. Leadingham will advise you on your next course(s) to take in the upcoming semester(s) and fill out a registration form for you.
6. You will complete your personal information on the registration form(s).
7. If you are a new IVCC student, you will also complete a New Student Registration Form.
8. Your welding registration (and your New Student Registration Form) is submitted for you to the IVCC Admissions Office. IVCC will create your unique student ID number and notify you. Protect this number.
9. IVCC will mail your class schedule to the address on file for you along with the amount you owe.
10. If you desire to take additional courses in the same semester, you need to register with the IVCC counselors or go to WebAdvisor and process the registration. See Counseling for WebAdvisor assistance.
11. An updated class schedule and tuition/fees due will be sent to you.
12. Pay for your selected courses prior to the first "purge for non-payment" in order to hold your class schedule.
13. If payment is not processed in time, the courses you selected will be purged. In order to get back into welding courses, you will need to repeat steps 1-12 in this section. Your choices may be very limited.

# Welding Advanced Construction Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

<b>1st Semester</b>		<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
WLD 1200 Stick, Plate, Flat Arc Welding		2		
WLD 1201 Stick, Plate, Horizontal Arc Welding			2	
Year Total:		2	2	
<b>2nd Semester</b>		<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
WLD 1202 Stick, Plate, Vertical-up Arc Welding or WLT 1202 AWS Testing Stick Plate Vertical-up Arc Welding		2		
WLD 1203 Stick, Plate, Vertical-down Arc Welding		2		
WLD 2206 Gas Welding & Brazing, Flat & Horizontal			2	
Year Total:		4	2	
<b>3rd Semester</b>		<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
WLD 1204 Stick, Plate, Overhead Arc Welding or WLT 1204 AWS Testing: Stick Plate Overhead Arc Welding		2		
WLD 1220 GTAW (TIG) Mild Steel		2		
WLD 2207 Oaw Vertical Up, Overhead & Steel Pipe			2	
WLD 2208 Cutting Torch & Plasma Arc Cutting			2	
Year Total:		4	4	
<b>4th Semester</b>		<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
WLD 2203 Pipe Stick 2G Position or WLT 2203 AWS Testing: Pipe Stick 2G Position		2		
WLD 2213 Pipe, Stick, 5G Position			2	
Year Total:		2	2	
<b>5th Semester</b>		<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
WLD 2223 Pipe, Stick, 6G Position or WLT 2223 AWS Testing: Pipe Stick 6G Position		2		
WLD 2233 Pipe-stick Tig-root All Positions or WLT 2233 AWS Testing: Pipe Stick TIG Root All Positions			2	
Year Total:		2	2	
<b>Any Semester</b>		<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
ANY FALL SEMESTER				
ALH 1221 Industrial First Aid or HPE 1004 First Aid				1-2
DFT 1200 Basic Drafting				3
MTH 1206 Technical Mathematics I				3
WHS 1200 Basic Forklift Operation				1
ANY SPRING SEMESTER				
MET 1209 Welding Metallurgy				3
WED 2200 Welding Blueprint Reading				3
WLD 2209 Fabrication <small>Requires completion of 2 welding courses prior to registering</small>				2
Year Total:				16-17
<b>Total Credit Hours:</b>				<b>42-43</b>

For additional information please consult any counselor at (815) 224-0360 or paul\_leadingham@ivcc.edu, (815) 224-0319.

Note: Students must register through a Welding Information Session, call 815-224-0439 to sign up.

Students learn how to shield metal arc or stick weld (SMAW) in a variety of positions on steel plates and pipe. Advanced Certificate adds in OAW (Oxyacetylene Welding), the use of the cutting torch, and plasma arc cutting.

12/8/17

**United States Department of Education's Gainful Employment Disclosure** (<https://www.ivcc.edu/ge/Welding%20Advanced%20Construction/48.0508-Gedt.html>)

# Welding Basic Construction Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

<b>1st Semester</b>	<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
WLD 1200 Stick, Plate, Flat Arc Welding	2		
WLD 1201 Stick, Plate, Horizontal Arc Welding		2	
Year Total:	2	2	
<b>2nd Semester</b>	<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
WLD 1202 Stick, Plate, Vertical-up Arc Welding or WLT 1202 AWS Testing Stick Plate Vertical-up Arc Welding	2		
WLD 1203 Stick, Plate, Vertical-down Arc Welding	2		
WLD 1204 Stick, Plate, Overhead Arc Welding or WLT 1204 AWS Testing: Stick Plate Overhead Arc Welding		2	
Year Total:	4	2	
<b>3rd Semester</b>	<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
WLD 2203 Pipe Stick 2G Position or WLT 2203 AWS Testing: Pipe Stick 2G Position	2		
Year Total:	2		
<b>Any Semester</b>	<b>First 8 Weeks</b>	<b>Last 8 Weeks</b>	<b>Credits</b>
ANY FALL SEMESTER			
ALH 1221 Industrial First Aid or HPE 1004 First Aid			1-2
DFT 1200 Basic Drafting			3
MTH 1206 Technical Mathematics I			3
WHS 1200 Basic Forklift Operation			1
ANY SPRING SEMESTER			
MET 1209 Welding Metallurgy			3
WED 2200 Welding Blueprint Reading			3
WLD 2209 Fabrication <small>Requires completion of 2 welding courses prior to registering</small>			2
Year Total:			16-17
<b>Total Credit Hours:</b>			<b>28-29</b>

For additional information please consult any counselor at (815) 224-0360 or paul\_leadingham@ivcc.edu, (815) 224-0319.

Note: All welding students must register through a Welding Information Session, call (815)224-0439 to sign up for a session.

Students learn how to shield metal arc or stick weld (SMAW) in a variety of positions on steel plates and pipe. Advanced Certificate adds in OAW (Oxyacetylene Welding), the use of the cutting torch, and plasma arc cutting.

12/8/17

United States Department of Education's Gainful Employment Disclosure

## Welding GMAW Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### 1st Semester

	Credits	
	First 8 Weeks	Last 8 Weeks
WLD 1210 GMAW (MIG) Mild Steel	2	
WLD 1211 GMAW (MIG) Stainless Steel		2
Year Total:	2	2

### 2nd Semester

	Credits	
	First 8 Weeks	Last 8 Weeks
WLD 1212 GMAW (MIG) Non Ferrous Alloys	2	
WLD 1213 GMAW Pipe, All Positions		2
Year Total:	2	2

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Total Credit Hours:		8
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For additional information please consult any counselor at (815) 224-0360 or paul\_leadingham@ivcc.edu, (815) 224-0319.

Note: All welding students must register through a Welding Information Session, contact (815)224-0439 to sign up for a session.

### Industry/Occupation:

Model maker for a big business like CAT or FORD, auto body repair, sheet metal worker. (MIG)

12/8/17



# Welding GTAW Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## 1st Semester

	Credits	
	First 8 Weeks	Last 8 Weeks
WLD 1200 Stick, Plate, Flat Arc Welding	2	
WLD 2206 Gas Welding & Brazing, Flat & Horizontal	2	
WLD 1220 GTAW (TIG) Mild Steel		2
Year Total:	4	2

## 2nd Semester

	Credits	
	First 8 Weeks	Last 8 Weeks
WLD 1221 GTAW (TIG) Stainless Steel	2	
WLD 1222 GTAW (TIG) Non Ferrous Alloys	2	
Year Total:	4	

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Total Credit Hours:

10

For additional information please consult any counselor at (815) 224-0360 or paul\_leadingham@ivcc.edu, (815) 224-0319.

Note: All welding students must register through a Welding Information Session, call (815) 224-0439 to sign up.

## Industry/Occupation:

Boilermaker - tubes inside of boilers, pipefitter - welding pipes. Oil refineries and nuclear plants - maintenance and new construction. Steam generating facilities like GE Plastics. (TIG)

12/8/17

## Welding OAW Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

### 1st Semester

	Credits	
	First 8 Weeks	Last 8 Weeks
WLD 2206 Gas Welding & Brazing, Flat & Horizontal	2	
WLD 2208 Cutting Torch & Plasma Arc Cutting	2	
WLD 2207 Oaw Vertical Up, Overhead & Steel Pipe		2
Year Total:	4	2
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Total Credit Hours:		6

For additional information please consult any counselor at (815) 224-0360 or paul\_leadingham@ivcc.edu, (815) 224-0319.

Note: All welding students must register through a Welding Information Session, call 815-224-0439 to sign up.

### Industry/Occupation:

Boilermaker, pipefitter, ironworker, industrial machine mechanics - cut pieces to length and prep before welding, sheet metal worker and other welders for brazing and soldering.

12/8/17

# Welding Production Certificate

WHAT FOLLOWS IS THE PROGRAM OUTLINE. This program is not designed for students transferring to other colleges or universities. As a rule, courses with a second digit "0" are designed to transfer. Students planning to transfer should consult a Counselor to verify the transferability of courses. Prerequisites for courses are noted in the IVCC Catalog. Program Pre-Admission Information is included if applicable.

## 1st Semester

	First 8 Weeks	Last 8 Weeks	Credits
WLD 1210 GMAW (MIG) Mild Steel or WLD 2200 MIG(Wire) Horizontal Plate Arc Welding	2		
WLD 1211 GMAW (MIG) Stainless Steel or WLD 2201 MIG(Wire) Vertical Plate Arc Welding		2	
Year Total:	2	2	

## 2nd Semester

	First 8 Weeks	Last 8 Weeks	Credits
WLD 1212 GMAW (MIG) Non Ferrous Alloys	2		
WLD 2206 Gas Welding & Brazing, Flat & Horizontal	2		
WLD 1220 GTAW (TIG) Mild Steel		2	
WLD 1213 GMAW Pipe, All Positions		2	
Year Total:	4	4	

## 3rd Semester

	First 8 Weeks	Last 8 Weeks	Credits
WLD 1230 Dual Shield & Metal Core or WLT 1230 AWS Testing: Dual Shield & Metal Core	2		
Year Total:	2		

## Any Semester

	First 8 Weeks	Last 8 Weeks	Credits
ANY FALL SEMESTER			
ALH 1221 Industrial First Aid or HPE 1004 First Aid			1-2
DFT 1200 Basic Drafting			3
MTH 1206 Technical Mathematics I			3
WHS 1200 Basic Forklift Operation			1
ANY SPRING SEMESTER			
MET 1209 Welding Metallurgy			3
WED 2200 Welding Blueprint Reading			3
WLD 2209 Fabrication			2
Year Total:			16-17

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Total Credit Hours:			30-31
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For additional information please consult any counselor at (815) 224-0360 or paul\_leadingham@ivcc.edu (), (815) 224-0319.

Note: All welding students must register through a Welding Information Session, call (815) 224-0439 to sign up for a session. Students learn how to GMAW (MIG) weld in all positions on different materials such as mild steel, stainless steel, and aluminum plus basic OAW and GTAW (TIG) with mild steel.

### Industry/Occupation:

Sheet metal workers (MIG) for restaurants, hospitals, schools. Large manufacturers such as CAT and JOHN Deere who mass produce parts where robots cannot be used and as a hand welder who fixes the beginning and end of robot welds. Large companies as a model or template maker. **12/8/17**

### United States Department of Education's Gainful Employment Disclosure

## Licensure Programs

For students wanting to take Emergency Medical Technician (EMT) and/or Emergency Medical Responder (EMR) courses.

EMT Basic and EMR courses may lead to State Certification.

These programs do not lead to an IVCC Certificate.

# Emergency Medical Responder (EMR)

## Any Semester

EMS 2200 Emergency Medical Responder  
Year Total:

## Credits

4  
4

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Total Credit Hours:

4

For additional information please consult a counselor at 815-224-0360 or Workforce Development Division at 815-224-0219.

### General Physical Demands:

- Walking and standing are major components of this job. Sitting is necessary for transportation to and from scenes of the emergency
- The EMR student is required to assist in lifting and carrying injured or sick persons. They may be required to engage in pushing and/or pulling to assist with extrication and/or scene management. It is necessary to be able to lift and balance up to 125 pounds (250 with assistance). An example would be moving a patient on a backboard.
- Have the strength and stamina to perform patient treatment such as cardiopulmonary resuscitation for lengthy periods of time.
- Able to bend, stoop, balance and crawl on uneven terrain (flexible)
- Ability to work in low light situations and confined spaces
- Able to withstand varied environmental conditions such as extreme heat, cold and moisture
- Must not have a personal device or condition that is subject to interference by electronic equipment such as microwaves or cell phones
- Must not have any personal issue with environmental factors such as allergens, latex or cologne that would limit ability to function safely.
- Be able to climb and balance as needed to gain access to emergency sites, i.e. sites, hillsides, ladders
- Good manual dexterity with the ability to perform all tasks related to emergency patient care and documentation.
- Fine finger dexterity is needed for operating some equipment and skills such as inserting a needle or preparing medications
- Tactile ability to sufficiently assess patients and their environments and to implement appropriate treatment.
- Ability to discern deviations/changes such as eye/skin coloration during patient assessment and issues involved in scene safety and hazards
- Ability to read road maps, accurately discern street signs and address numbers, read medication/prescription labels and directions for usage in a quick, accurate and expedient manner
- Responding to patients, coworkers and other EMS agencies through hearing are necessary in a patient's need, transmitting information and following directions
- Able to converse with dispatchers and EMS providers via phone, radio or computer
- Be able to function with diverse communication tools
- Detect sounds that can alert the medic to safety issues or patient concerns
- Ability to detect sounds that relate to bodily functions using a stethoscope

**EMR course may lead to State Certification and is not an IVCC Certificate.**

7/23/18

# Emergency Medical Technician (EMT)

## Any Semester

EMS 2201 Emergency Medical Technican - Basic  
Year Total:

## Credits

8  
8

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Total Credit Hours:

8

For additional information please consult a counselor at 815-224-0360 or Workforce Development Division at 815-224-0219.

### General Physical Demands:

- All participants in IVCC EMS courses must have a background check. Forms will be provided at orientation. The student must assume the cost of this procedure. Random drug screening will also be required.
- The applicant must possess a high school diploma or equivalent at the time of State or National Registry exam (Copies are required)
- The applicant must be at least 18 years of age at time of State or National Registry exam
- The applicant must have a background check. The applicant must assume the cost of the background check. The applicant must have NO felony convictions. A 10 panel urine drug screening is required at the applicant's cost
- The student will agree to complete all Health Services requirements by the posted dates. All required health information must be provided before any clinical study begins. Student must have a physical performed by personal physician at student's cost within the past year. The IVCC Health Assessment Form must be used (provided at first class). Students must have received all required immunizations as outlined on the health assessment form or sign a waiver that he/she is refusing the immunization
- General Physical Demands
  - Walking and standing are major components of this job. Sitting is necessary for transportation to and from scenes of the emergency
  - The EMT Basic student is required to assist in lifting and carrying injured or sick persons. They may be required to engage in pushing and/or pulling to assist with extrication and/or scene management. It is necessary to be able to lift and balance up to 125 pounds (250 with assistance). An example would be moving a patient on a backboard.
  - Have the strength and stamina to perform patient treatment such as cardiopulmonary resuscitation for lengthy periods of time.
  - Able to bend, stoop, balance and crawl on uneven terrain (flexible)
  - Ability to work in low light situations and confined spaces
  - Able to withstand varied environmental conditions such as extreme heat, cold and moisture
  - Must not have a personal device or condition that is subject to interference by electronic equipment such as microwaves or cell phones
  - Must not have any personal issue with environmental factors such as allergens, latex or cologne that would limit ability to function safely.
  - Be able to climb and balance as needed to gain access to emergency sites, i.e. sites, hillsides, ladders
  - Good manual dexterity with the ability to perform all tasks related to emergency patient care and documentation.
  - Fine finger dexterity is needed for operating some equipment and skills such as inserting a needle or preparing medications
  - Tactile ability to sufficiently assess patients and their environments and to implement appropriate treatment.
  - Ability to discern deviations/changes such as eye/skin coloration during patient assessment and issues involved in scene safety and hazards
  - Ability to read road maps, accurately discern street signs and address numbers, read medication/prescription labels and directions for usage in a quick, accurate and expedient manner
  - Responding to patients, coworkers and other EMS agencies through hearing are necessary in a patient's need, transmitting information and following directions
  - Able to converse with dispatchers and EMS providers via phone, radio or computer
  - Be able to function with diverse communication tools
  - Detect sounds that can alert the medic to safety issues or patient concerns

**EMT Basic course may lead to State Certification and not an IVCC Certificate.** 7/23/18

# Student Handbook

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## Student Handbook Welcome

Welcome to Illinois Valley Community College! I want to thank you for choosing IVCC for the next step in your education. IVCC is proud of its tradition of academic excellence in the Illinois Valley since 1924. There are a number of opportunities for you at IVCC and I encourage you to take advantage of as many of them as you can during your time here.

This online handbook includes a lot of information including course and campus information, emergency information, technology information, and the Student Code of Conduct. In addition, all of the Student Right to Know information that is emailed to students each semester is included as well.

It is important for students to be aware of their rights and responsibilities. If you have suggestions to help us improve our services, or if you want to tell us how we are doing, be sure to use the comment boxes located around campus or online. We take your feedback seriously and are always working to improve. I wish you the best during your time at IVCC and look forward to serving you.

Sincerely,

Mark Grzybowski

Associate Vice President for Student Services

## ILLINOIS VALLEY COMMUNITY COLLEGE

### Mission Statement

*IVCC teaches those who seek and is enriched by those who learn.*

### Vision Statement

*Leading our community in learning, working and growing.*

### Core Values

#### Responsibility

**We will follow through on our commitments, welcome constructive assessment and suggestions for improvement. We will meet performance expectations for personal and professional conduct. We will be account-able for appropriate, efficient, and effective use of resources.**

#### Caring

We will nurture a culture of mutual appreciation, cultivate empathy and a compassionate response to others.

#### Honesty

We speak and act truthfully, without hidden agenda – saying when we make mistakes or do not know, avoiding silence when it may be misleading, identifying and working with each other to communicate and solve problems.

#### Fairness

We treat students and colleagues equitably, without favoritism or prejudice, giving all the benefit of the doubt and providing opportunities for individual success.

#### Respect

We will consider all the talents, feelings and contributions of all in our interactions and behaviors; practice active listening and collaborating in our daily work; base our relationships on the essential dignity of each individual, value diverse cultures, backgrounds, lifestyle and abilities; understand that inclusion makes us stronger and able to perform at higher levels.



## **Campus Information**

### **LOST & FOUND**

Lost & Found is located at the Information Desk in the main lobby.

Items turned in after hours or when the College is closed should be accompanied by a note indicating date and location of where the item was found and the name and phone number of the person leaving the item, in case a question may surface.

Items will be held for thirty (30) days. After thirty (30) days, the item will be offered to the person who turned it in to Lost & Found. If the item is refused, then it will be donated appropriately or discarded.

A collection of umbrellas is available at the lost & found for check out as needed.

### **INTERCOLLEGIATE ATHLETICS**

The College recognizes the value of athletic participation and, therefore, supports intercollegiate athletic programs for men and women. Intercollegiate sports at IVCC include baseball, basketball, volleyball, softball, soccer, tennis, and golf. Students wishing to participate on College intercollegiate athletic teams should contact the Athletic Director in Room G-211, (815) 224-0471.

## Code of Conduct

Discipline may be imposed whenever a student commits or attempts to commit any act of misconduct on the College campus, or at a sporting event, activity, function or other event sponsored or supervised by the College.

Prohibited conduct includes, but is not limited to:

1. Possession, use, distribution or being under the influence of an illegal or controlled substance or look-alike drug.
2. Unauthorized and/or illegal possession, use, distribution, or being under the influence of any alcoholic beverage on campus property.
3. Theft of property or services.
4. Intentional or willful and wanton destruction of property.
5. Assault and/or battery.
6. Conduct which constitutes harassment, sexual or otherwise, or abuse that threatens the mental well-being, health or safety of any individual, including peer harassment of fellow students.
7. Conduct which constitutes hazing or any related act or activity that might inflict or intend to cause physical or mental harm or anxieties; that may demean, degrade or disgrace any person, regardless of location, intent or consent of participants. The intent of the act or the consent or the cooperation of the hazing recipient shall not constitute a defense of hazing. The College or the hazing recipient may charge an individual and/or the recognized student organization with responsibility for the hazing act(s) committed either online or on or off campus.
8. Possession of a firearm or other weapon, dangerous chemical or explosive substance or device.
9. Trespassing on College property or other unauthorized use of College property or services.
10. Academic dishonesty (see also Academic Integrity section). Such matters will be addressed by the Office of the Vice President for Academic Affairs.
11. Disruption of the educational process or related activity.
12. Failure to comply with the direction of an authorized College employee or representative who is performing her/his duties.
13. Verbal abuse to any individual including blatant profanity or gross disrespect to a student, faculty member, or staff member.
14. Stalking any individual.
15. Gambling.
16. Unauthorized use of College phones or facsimile (fax) machines.
17. Intentional willful or wanton tampering with computer equipment or networks, to include but are not limited to destruction of files, illegal or unauthorized file transfers or copying, introduction of a computer virus, unauthorized use of copyrighted software, altering or attempting to alter official College computer records, accessing offensive Web sites, malicious tampering, or any other violation of the computer use policies.
18. Gang recruitment and/or activities.
19. Any conduct which constitutes a violation of the terms of any discipline imposed in accordance with this procedure.
20. Any conduct which constitutes a violation of a Federal or State law, local ordinance or College rule or regulation, including failure of a registered sex offender to register with campus security.
21. Failure of a registered sex offender to register with Campus Security as required by Illinois State Law.
22. Violation of the Campus Smoking Policy.
23. Multiple parking violations.
24. Gross misconduct by any standard.

# Student Rights and Responsibilities

## Student Rights:

Students of Illinois Valley Community College have the same rights accorded all citizens under the Constitution of the United States. Included among these are the right to free, open and responsible discussion and inquiry.

At IVCC, we believe that students are entitled to expect a program of quality education provided by competent instructors. It is therefore the right of each IVCC student to:

1. study any controversial issue with a political, economic or social significance
2. have open access to all relevant information
3. study under competent instructors in an atmosphere free of bias and prejudice
4. form and express personal opinions on controversial issues without jeopardizing their relationship with their instructors or the College
5. be treated fairly and with respect
6. be accorded the best efforts of instructors, including access through regular office hour'

## Student Responsibilities

Students are expected to conduct themselves as responsible members of the College community. Disruption of the educational process and violation of the rights of others constitutes irresponsible behavior.

Students are responsible for knowing and abiding by all College regulations along with federal, state and local statutes. Specific responsibilities of IVCC students include, but are not limited to:

1. attending class regularly as specified per class requirements and/or syllabus, and explaining reasons for absences to instructors
2. respecting and utilizing College equipment and facilities appropriately
3. actions characterized by honesty
4. treating all college personnel and fellow students fairly and with respect

Students in doubt about any particular matter should consult the Associate Vice President for Student Services.

## Student Academic Complaints

As members of the College community, students have the right to express their opinions as to the fair treatment of their academic achievement. Students who wish to dispute a grading matter, or another academic matter (e.g. violation of the plagiarism policy) related to their courses, shall express these concerns to the appropriate faculty member as follows:

1. The student should discuss the matter with the faculty member in an informal manner.
2. When feasible, the initial informal meeting between the student and faculty member should occur within **five (5) class days** (normally Monday through Friday when classes are in session) after notification of the grading matter or other academic matter by the instructor.
3. If the complaint is not resolved after the informal discussion, the student may appeal informally (usually a conference), to the Dean of the faculty member involved. Where feasible, this appeal to the Dean should be made within **five (5) class days** of the informal discussion with the faculty member.
4. If the nature of the complaint is personal, involving a faculty member directly and his/her behavior or demeanor, the student may appeal informally directly to the faculty member's Dean as outlined above, bypassing the informal discussion directly with the faculty member. The student should understand that anonymity cannot and usually will not be protected.
5. If the complaint is not resolved after the normal informal discussion, the student may appeal **in writing** to the Dean of the faculty member involved within **five (5) class days** after the informal discussion. In filing the written complaint, the student may request a meeting with the Dean.

6. The Dean shall review the complaint and respond in writing to the student within five (5) class days after receiving the student's written statement.
7. If the results of the Dean's review are unsatisfactory to the student, the student may appeal to the Vice President for Academic Affairs within **five (5) class days** of receiving the written response of the dean. The student may request a meeting with the Vice President.
8. The Vice President for Academic Affairs shall issue a written response to the student within five (5) class days of receipt of the student's appeal.
9. The decision of the Vice President for Academic Affairs shall be considered final with regard to student academic complaints.

## Student Non-Academic Complaints

The Associate Vice President for Student Services shall be responsible for responding to complaints from students on non-academic (non classroom and grading) issues which would fall outside of the Student Code of Conduct (section VI following). The student is expected to initiate her/his complaint with the staff member immediately responsible for the area in which the problem occurred, in an effort to resolve the issue in an informal manner. If the issue is not resolved in an informal manner, the student may appeal the matter to the Associate Vice President for Student Services. If the results of the Associate Vice President's review are unsatisfactory to the student, the student may appeal to the Vice President for Academic Affairs **within (5) class days** of receiving the written response of the Associate Vice President. The student may request a meeting with the Vice President. The decision of the Vice President for Academic Affairs with regard to student non-academic complaints shall be considered final.

These issues include, but are not limited to:

1. parking violations and towing
2. refunds of tuition and fees
3. admission, registration and records matters
4. financial aid matters
5. counseling matters
6. job placement matters
7. activities and athletics matters
8. bookstore refunds

## Academic Integrity

Academic Integrity is directly linked to the Core Values of Illinois Valley Community College, three of which are RESPONSIBILITY, RESPECT, and HONESTY. It is the RESPONSIBILITY of each student to RESPECT the academic integrity of each class/course by doing their own work and by refusing to assist others in deception. Academic dishonesty violates the academic integrity expected of all students. The Office of the Vice President for Academic Affairs will keep a file of these submissions. When a student has been identified as committing an act of academic dishonesty twice, the Vice President for Academic Affairs will conduct an investigation, which may include a formal hearing, and will recommend or impose appropriate discipline.

The purpose of this provision is to identify students who commit multiple acts of academic dishonesty in different courses, which the student might otherwise avoid. The assumption is that multiple acts constitute a more grievous offense than a single incident, which would constitute a learning experience for the student.

1. Academic dishonesty is defined as, but is not limited to:
  - a. **CHEATING**—using or attempting to use unauthorized materials, study aids, or information in any academic exercise, including copying from another person's work or preparing work for another person that is to be presented as the other person's own work. This includes utilizing phones or cameras to copy test or assignment materials.
  - b. **FABRICATION**—furnishing false information to a College official relative to academic matters, including but not limited to, misrepresentation of written information provided in admission documents.
  - c. **PLAGIARISM**—comes from the Latin word plagiare, which means "to steal." Therefore, plagiarism is a form of cheating. Plagiarism is defined as using the words or ideas of another as one's own either on purpose or unintentionally. This includes, but is not limited to, copying whole, portions or the

paraphrasing (rewording) of passages or information from any source in any academic exercise (written or oral) without giving credit to the author or source using an appropriate citation style. Students must be able to prove that their work is their own.

- d. **FACILITATING ACADEMIC DISHONESTY**—helping or attempting to help another to violate any provision of this code.
2. Academic dishonesty violates the Student Code of Conduct. The faculty member has full authority to identify academic dishonesty in his/her classroom and to impose any of the following sanctions:
  - a. Failure of any assignment, quiz, test, examination or paper, project or oral presentation for the work in which the violation occurred.
  - b. Lower grade.
  - c. Involuntary withdrawal from the course.
  - d. Failure of the course.
  - e. Report extreme cases of academic dishonesty (such as, but not limited to, collusion among a number of students, selling or providing papers or repeated violations of academic dishonesty, etc.) directly to the Vice President for Learning and Student Development for disciplinary action as outlined in Section VII, Disciplinary Process.
  - f. Other sanctions as determined by the faculty member. The sanction will be put in writing and signed by the student, faculty member and the Dean.
3. The instructor shall normally attempt to notify (if possible) the student within five (5) class days of identifying the act of dishonesty to discuss the applied sanction.
4. Students have the right to appeal through the Vice President for Academic Affairs office as outlined in Section II, Student Academic Complaints.
5. A student identified as responsible for academic dishonesty, as defined above, may not withdraw from the course in an effort to avoid penalty.

Each time a faculty member documents an incident of academic dishonesty, he/she will submit to the Vice President for Academic Affairs office the following information (in hard copy to protect student confidentiality): student name, class, date, description of incident and action by faculty and/or student, faculty signature. The faculty member will retain the documentation.

## Request for Reasonable Accommodations

If an individual has a request for a reasonable accommodation, the individual should contact his or her immediate supervisor. The Director of Human Resources will work with the supervisor to make sure an individualized assessment is conducted to determine if the employee or applicant meets the definition of an individual with a disability which substantially limits major life activities and is a qualified individual for the position based on the job description. The individualized assessment will start with information regarding the nature and severity of the disability. It will include relevant medical and psychological information which may be requested by the Director of Human Resources. For applicants, this information gathering should follow the offer of employment per Section 504 of the Rehabilitation Act of 1973 and Title II of the Americans With Disabilities Act, and their implementing regulations. Part of this step is determining the essential functions of the position. The current job description will be used to assist staff in this part of the process.

The College will consult, as needed, or form a committee with the employee or applicant, his or her physicians, psychologists, or other mental health professionals as appropriate, supervisors, department heads, attorneys, Human Resources staff, etc. The committee membership will be flexible depending on need and appropriateness, but at a minimum will include the employee or applicant, an appropriate supervisor, and the Director of Human Resources.

The committee will determine various methods of accommodating an employee or applicant who has been determined to be disabled and can perform the essential functions of the job. Only after exploring all of the options for accommodating the disabled employee or applicant will there be any determination of what is reasonable and attainable, given the resources available. The suggestions of the disabled employee or applicant will be strongly considered, but the College will not be required to use those suggestions if other, more prudent methods are available and equally effective. Should

additional information be needed or required, the Director of Human Resources will contact the Job Accommodation Network, the Great Lakes Disability and Business Technical Assistance Center, and/or the local Vocational Rehabilitation Office.

If the committee concludes that a reasonable accommodation cannot be achieved, the employee or applicant may be denied college-provided accommodation. In such circumstances, employees will be notified of the right to file a grievance through the grievance procedure.

Throughout the process, the College will maintain documentation clearly showing how the matter was addressed, how the individual was kept informed, and the logic behind the committee's decision.

## Reasonable Accommodations for Students

1. Students interested in receiving services through the Disability Services Office must first present appropriate documentation to the Disability Services Coordinator. It is the Coordinator's job to determine: 1) if documentation is appropriate and complete, 2) whether the student is a qualified student with a disability, 3) whether the student is functionally limited in one of the major life areas by his/her disability, 4) which accommodations would be reasonable and appropriate based on documentation.

2. Ideally, documentation should be presented at least two weeks before the start of a new class. For students who have a hearing impairment and are in need of an interpreter, a one month notice is required. The Disability Services Office will make all reasonable attempts to arrange accommodations and services in a timely manner. However, it should be noted that texts in alternate format and interpreters may take several weeks to procure.

3. The student must make an intake appointment with the Disability Services Coordinator to discuss eligibility, strengths, needs, and possible accommodations and/or support services.

4. Students will fill out a brief intake application and appropriate releases if necessary.

5. If documentation is sufficient, and a student has a qualifying disability, accommodation paperwork will be completed and procedures will be explained.

6. The student will then be responsible for taking academic accommodation sheets to their instructors and, if desired, explaining the need for those accommodations. Note that students do not need to disclose their disability to instructors. However, we've found that the more instructors know, the more they are able to assist students.

7. Students are required to schedule a mid-term check-up appointment with the Disability Services Coordinator and are encouraged to stop by at least twice a semester to report on their progress.

8. Students will need to repeat steps 3 and 6 at the beginning of each new semester.

## Disciplinary Process

Any person may initiate a complaint against a student for violation of the Code of Conduct by filing a written complaint with the Associate Vice President for Student Services. The complaint shall describe the conduct which allegedly violates the Student Code of Conduct. It should be noted that the complaining person may also pursue civil action in the courts. Additionally, any crime committed against the College will be referred to local law enforcement agencies for review to determine if criminal charges will be filed.

1. The Associate Vice President for Student Services will investigate the complaint.
2. If in the opinion of the Associate Vice President for Student Services a violation has occurred, he/she may administer sanctions. Sanctions applied will depend upon the severity of the offense and the student's previous conduct record. Disciplinary procedures and sanctions may be implemented with the assistance of other professional staff members as deemed necessary or appropriate by the Associate Vice President for Student Services.
3. Sanctions include one or a combination of the following:
  - a. **ADMONITION**--An oral reprimand.
  - b. **WARNING**--A written reprimand.



- c. **CENSURE**--A notice, written or spoken, stating that further misconduct will bring more serious action.
  - d. **DISCIPLINARY PROBATION**--A defined period of time when the student is considered on a probationary status. If additional events occur during this probation period, the student may be considered for suspension or expulsion.
  - e. **DISCIPLINARY SUSPENSION**--A written statement disqualifying the student for a specific time period from extracurricular or co-curricular activities.
  - f. **RESTITUTION**--A written requirement that the student provide reimbursement for misappropriation or damage to College property, or that of an individual.
  - g. **SUSPENSION**--A suspension of tuition waiver or scholarship.
4. In applying any of the above sanctions, the decision of the Associate Vice President for Student Services may be appealed in writing to the Associate Vice President for Student Services within 5 business days of the receipt of the sanction.

More serious disciplinary action could include:

- h. **COLLEGE SUSPENSION**--A written notice of exclusion from the College and any classes, privileges and College activities for a specified period of time.
- i. **EXPULSION** - A written termination of a student's status, as indicated for College suspension, for an indefinite period of time.

College suspension or expulsion, when recommended by the Associate Vice President for Student Services, automatically requires a due process hearing prior to being applied.

## Due Process Procedure for Students Recommended for College Expulsion

A student who is recommended for College suspension or expulsion as a disciplinary sanction shall be entitled to a due process hearing according to the following process:

1. The Associate Vice President for Student Services shall send a notice to the student specifying the misconduct for which expulsion is being recommended.
2. The notice will contain the notification as to the time, date and place of the hearing before the Faculty-Student Review Committee.
3. The Faculty-Student Review Committee shall be composed of three (3) student representatives chosen by the Student Government Association and three (3) faculty chosen by the faculty union leadership. The committee shall be chaired by the Associate Vice President for Student Services.
4. If the Associate Vice President for Student Services has reasonable cause to believe that danger will be present if the student is permitted on campus, the student may be immediately suspended pending the full hearing.
5. If the student ignores or refuses to acknowledge the hearing, the hearing may proceed with the student in absentia.
6. At the hearing, the student will be permitted to speak in his/her own behalf, to present any witnesses in his/her behalf, and to question any witnesses against him/her.
7. The hearing before the Faculty-Student Review Committee is not subject to formal rules of evidence.
8. Minutes of the proceeding will be taken and prepared, as well as audio tapes. These minutes and audio tapes shall be made available to the student as well as to succeeding levels of review, should an appeal be filed.
9. Within five (5) class days of the hearing, the Committee will issue findings sustaining, overturning or modifying the sanction recommended by the Associate Vice President for Student Services to the President of the College.
10. The student may appeal the findings of the Faculty-Student Review Committee by filing written notice with the Associate Vice President for Student Services within five (5) class days of receipt of the Committee's findings.
11. In the absence of an appeal filed within the time frame specified, the decision of the Faculty-Student Review Committee shall be automatically sustained and considered final.
12. If appealed, the student will be informed within five (5) class days of receipt of the appeal, of the date, time and location of the hearing with the Associate Vice President for Academic Affairs, Vice President of Academic Affairs, and Vice President of Business Services & Finance or their designees.
13. The hearing with the Vice Presidents shall be scheduled within five (5) class days of the date of notification of appeal hearing to the student.
14. On appeals to the Vice Presidents, only the official record of the Review Committee and summary of evidence will be reviewed. No new evidence or testimony will be considered.
15. The student may appeal the findings of the Vice Presidents by filing written notice with the Associate Vice President for Student Services within five (5) class days of receipt of the Vice Presidents' findings by requesting a hearing with the President of the College.
16. In the absence of an appeal filed within the time frame specified, the decision of the Vice Presidents shall be automatically sustained and considered final.
17. If appealed, the student will be informed within five (5) class days of receipt of the appeal, of the date, time and location of the hearing with the President of the College.
18. On appeals to the President, or ultimately to the Board of Trustees, (expulsion only) only the official record of the Review Committee, Vice-Presidents, and summary of evidence will be reviewed. No new evidence or testimony will be considered.
19. The President shall issue her/his decision within five (5) class days of the hearing. The President may sustain, overturn or modify sanctions imposed by the Faculty-Student Review Committee.
20. If the President sustains a recommendation of college suspension, the decision of the President shall be considered final.
21. A recommendation of expulsion, if sustained by the President, may be appealed to the Board of Trustees.
22. The final avenue of appeal, with regard to Expulsion, is the Board of Trustees of the College. The student must file with the President of the College within five (5) class days of the date of the notice of the President's findings, a written notice of intent to appeal to the Board of Trustees.
23. Absence of an appeal of a decision of expulsion within the time frame indicated will result in the decision of expulsion being automatically sustained and considered final.
24. The hearing before the Board of Trustees shall normally be scheduled for the next regularly scheduled board meeting.
25. At the hearing before the Board of Trustees, the student may be assisted by counsel.
26. The decision of the Board of Trustees sustaining, overturning, or modifying the decision of expulsion shall be issued within five (5) class days of the Board meeting.
27. The decision of the Board of Trustees is final.

## Athletics, Co-Curricular and Extra-Curricular Activities

Athletics, extra-curricular and co-curricular activities exist as an outlet in which students can develop leadership skills, human relationship skills, time management, team work, and provide service to others and to the College. Students who participate in College clubs, organizations, athletics, plays and concerts, the student newspaper, and organized academic competitions represent the College. As representatives of the College, those participating in College activities must recognize and accept the responsibility to uphold the very highest standards of behavior.

1. If a student involved in College activities as specified engages in activity on campus or off which violates campus rules and regulations, state or federal laws, the student will be disciplined in an appropriate manner. In a case where the student is arrested for any offense specified in the Code of Conduct or an equally serious offense, the student may be suspended from participation in the activity until such time as the matter is adjudicated by the courts. If the student is found guilty, she/he may be suspended from participation in the activity for a number of events or for the balance of the year or season.
2. The coach, faculty sponsor or director will discuss the circumstances surrounding the misconduct with the Associate Vice President for Student Services and the Vice President for Academic Affairs. They will consider factors which might increase or decrease the severity of the actions in which the student was involved. The decision of the Associate Vice President for Student Services and the Vice President for Academic Affairs shall be considered final, unless College Suspension or Dismissal is recommended.
3. Nothing herein is designed or intended to limit any other reasonable rules or restrictions placed in force by a coach, director or sponsor. In

addition, the coach, director or sponsor may take disciplinary action immediately, such as expulsion from a practice or performance, where it is necessary and appropriate.

# Technology Information

## Classroom & Meeting Room Technology

The College is committed to providing students with technologies they can expect to encounter in the workplace or at other higher education institutions. Lecture classrooms include presentation technologies. There are over 1000 student computers on campus, including the open computing facilities in the Learning Commons and Library.

## WiFi Access

(815) 224-0318  
<https://www.ivcc.edu/studenthelpdesk>

Students may bring in personal laptops and gain access WiFi in all areas of the College. Personal computers must meet minimum security standards, including antivirus updates and operating system security patches. Assistance is available in the Learning Commons, D201.

## Computer Accounts

(815) 224-0318  
<https://www.ivcc.edu/studenthelpdesk>

Students enrolled in a college credit course will receive access to

- a computer network account with secure file storage
- an email account
- WebAdvisor Student Information System
- Blackboard Learning Management System
- Jacobs Library online resources

## Online Campus Services

<http://www.ivcc.edu>

The campus home page is the door to services available anytime of the day or night. Students may look at updated program guides, apply to the college, search class schedules, pay tuition bills, purchase textbooks, conduct library research, check schedules of events, and participate in classes. New online services are added frequently. Quick access to many of the services is available at <http://www.ivcc.edu/studenthelpdesk>.

## COMPUTER ACCOUNTS

Your **K-Number** (located on your IVCC student ID card):

- is your username for WebAdvisor, Blackboard and the IVCC network.
- is the first part of your student email address.
- Your email address will be k-number@office365.ivcc.edu.

Your **7-digit student ID number** (the purple numbers on your IVCC student ID cards):

- is used to identify you and should be protected in the same manner as your social security number or credit card.
- may also be used as a default password for campus accounts. (Be sure you change this default password after your initial login to keep your information secure.)

**Please note:** All students are responsible for checking their IVCC email. All electronic college correspondence will only be sent to the IVCC email. For information on accessing this account, go to <http://www.ivcc.edu/email>.

## IVCC Student ID Number

The number printed on your IVCC student ID card will permit you access to the online resources available through the library. The Student ID number contains your 7-digit student ID number. Your 7-digit student ID number is also located on your class schedule and billing statements.

## Account Passwords

You are strongly encouraged to change your password as soon as you log into each system. For your security, passwords should contain

both numbers and letters, both uppercase and lowercase. More information about account passwords is linked from the Student Help Desk webpage at <http://www.ivcc.edu/studenthelpdesk>.

## Password Resets

The only remedy for a forgotten password is a reset. WebAdvisor has a password reset option, and this is the only way to have your WebAdvisor password reset. For other systems, you can call, email or visit the Student Help Desk for assistance. Students are required to provide their name, K-number, and 7-digit student ID number when requesting a password reset.

## Accessing Online Accounts

Quick access to all accounts is provided on the IVCC home page.

## IVCC WebAdvisor Account

Through your WebAdvisor Account, you can access your student records, such as final grades, class schedules, etc. You can also view current course schedules and register for classes. Your WebAdvisor account is created the next business day upon application to IVCC. From the IVCC homepage, select WebAdvisor and click the "Set Up Your Account" link.

Students will be required to update and verify their demographic information every six months on WebAdvisor. This will be required before a student can access registration and other information on WebAdvisor.

## IVCC Email Account

Your email account is created the next business day upon application to IVCC. The various IVCC departments and your instructors may send important information to you through your IVCC student email account. You are responsible for regularly checking your student email account. All Students are expected to check their IVCC student email accounts.

## IVCC Network Account

Logging onto computers at IVCC requires an IVCC Network Account. Accounts are created the next business day after registering. Your network space, also referred to as your U: drive, is a safe space to store your coursework.

## Blackboard

Some instructors will use an electronic classroom environment called Blackboard. Blackboard accounts are created shortly before the start of each semester.

## STUDENT EMAIL COMMUNICATION GUIDELINES

Email is considered an official means of communication and the College expects students to access their IVCC email account to read their mail on a regular basis. Email sent by the college may be time-sensitive and may require student action. These guidelines ensure the provision of an email account to facilitate access to information.

## Student Responsibilities

Students are responsible for all information sent to them via their official IVCC student email account. A student's failure to read communications from the college does not absolve them from complying with the content of such communications. Students may elect to redirect mail sent to their IVCC student email account to another email address, but do so at their own risk. Email lost as a result of forwarding is not the responsibility of the College.

## Communications Sent Via Email

Students can expect that information deemed to be important to a student's success at IVCC will be sent via email.

The following list provides examples of the types of information a student will receive via email. This is not intended to be a complete listing.

- Reminders of important dates such as deadlines to pay tuition, opening of registration, etc.

- Information about commencements and convocations
- Financial aid award notifications
- Library overdue notices
- New student information about academic support services
- Notices about student workshops
- Student employment opportunity announcements
- Communications from professors regarding course requirements
- Policy notices

### **Inappropriate Use of Campus Email**

It is the intent of the College to avoid overuse of email. Campus employees will not send the following types of information to students.

- Information unrelated to College business
- Solicitations
- Messages containing confidential information, such as course grades, and other personal information that is readily available to the student through WebAdvisor.
- Email that violates the Acceptable Use Guidelines

### **Educational Uses of Email**

Individual professors should communicate expectations regarding the use of email in their course syllabus.

### **Assignment of Email Accounts**

To assure that all students have access to this important form of communication, an official IVCC student email account is created for each student enrolled in a credit course at IVCC. The account will remain active up to one year after a student's last semester in a credit course at IVCC.

The College provides one-on-one assistance and workshops to help students become proficient in the use of their email accounts.

### **Distance Learning Courses:**

#### **Online and Blended Courses and Telecourses**

Information about distance learning courses is available online at <http://www.ivcc.edu/DL>. The Distance Learning site provides links to course and instructor webpages, information specific to online learners and telecourse students, and orientation dates.

All online students are required to enroll in CSP-0002. Sessions are offered both on-campus and online. The on-campus session is approximately 90 minutes. Students should complete the orientation by the first day of their online class. Students neglecting this requirement will be dropped from their online course(s). Once this requirement has been fulfilled, it does not need to be repeated.

Student in blended courses are encouraged to participate in CSP-0002. These students will meet with instructors in the classroom with less frequency than regular classes, because about half of the course is completed online.



## Student Services

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The IVCC Office of Student Services invites you to utilize the many resources available to you through our website, catalog, and the links along the right side of this page. If you have any issues, please contact the Associate Vice President for Student Services, Mark Grzybowski by email at [Mark\\_Grzybowski@ivcc.edu](mailto:Mark_Grzybowski@ivcc.edu) ([mark\\_grzybowski@ivcc.edu](mailto:mark_grzybowski@ivcc.edu)) or by phone at 815-224-0393.

# Bookstore

## IVCC Bookstore Products & Services

The IVCC Bookstore stocks all course materials (paper text, eBooks, rentals) and supplies needed by students to complete their course work. Refurbished laptops are available in 10" to 14" screen sizes and are at excellent prices. Academically priced software is available.

Software codes are printed on your register receipt for immediate access. In addition, customers will find an assortment of emblematic clothing and merchandise, Innova golf disks, massage therapy and nursing supplies, greeting cards, snacks and gift items.

## The Mission of the Bookstore

The IVCC Bookstore is a self-supporting operation owned and operated by Illinois Valley Community College. We are committed to serving students, faculty, staff, and visitors to our campus with the products and services necessary for their success within the college environment. These products and services will be delivered with courtesy, professionalism and an understanding of our financial responsibility to the college as a whole.

## Contact Information

IVCC Bookstore  
815 N. Orlando Smith Road  
Oglesby, IL 61348  
Phone: (815) 224-0311  
Fax: (815) 224-3294  
Email: bookstore@ivcc.edu  
Website: www.ivccbookstore.com (<http://www.ivccbookstore.com>)

## Hours of Operation

Monday-Thursday: 8:00 am to 6:00 pm  
Friday: 8:00 am to 4:30 pm  
Closed Saturday and Sunday

The Bookstore is closed when the college is closed.  
The Bookstore is closed Fridays during the eight-week summer session.

The Bookstore has extended hours during January, August and Buyback and Rental Return.  
When IVCC is open and classes are not in session the Bookstore closes at 4:30 pm

## Forms of Payment

The IVCC Bookstore accepts cash, checks, Visa, MasterCard, and Discover as well as debit cards sponsored by those companies.

## Purchasing Textbooks

The IVCC Bookstore offers three ways to purchase textbooks:

1. Bring a copy of your schedule to the bookstore and present it at the textbook counter. Bookstore staff will pull your textbooks and answer any questions you may have.
2. Call the bookstore and we can FedEx your books to your home or business (a shipping charge applies).
3. Order online from [www.ivccbookstore.com](http://www.ivccbookstore.com) (<http://www.ivccbookstore.com>). Have a copy of your schedule ready and follow the prompts from our homepage.
4. IVCC will be piloting Inclusive Access courses in Fall of 2018. Additional information can be found at [www.ivccbookstore.com/textbooks/inclusiveaccess](http://www.ivccbookstore.com/textbooks/inclusiveaccess).

## Textbook Refund Policy

### No Receipt-No Refund

For a Full Refund -

- For classes lasting a full semester during the fall or spring, you may return textbooks for a full refund for any reason for **10 business days from the first day of class**.
- Textbooks for classes lasting eight weeks may be returned for five business days following the first day of class for any reason.

- Textbooks for classes lasting four weeks or less may be returned until the class meets for the second time.
- Count days Monday-Friday to compute the refund time limit. Do not count Saturdays, Sundays or holidays. Days must be counted from and include the first day of the semester or the first day that the class meets.
- Any required or optional book purchased during the last 14 business days of the semester will be non-refundable. To determine this day count days Monday-Friday. Do not count Saturdays, Sundays, or holidays. Days must be counted from and include the last day before book buyback begins, counting backwards 14 business days.

## Book Condition

- New books must be in brand new condition when returned. If you write in the book, damage it or open included software, we must consider that book used.
- Never write in, mark, soil or remove plastic wrapping from your textbooks until you are sure you have the correct book or you are sure your class won't be canceled.
- Defective books will be replaced at no charge if returned as soon as the defect is discovered.

**Receipt required for refund or exchange!**

## Other Refund Information and Guidelines

- Optional books and all other merchandise (other than textbooks) may be returned for two weeks from the date of purchase with receipt. This two week policy applies to all other policy information below:
- Software and other multimedia merchandise must be unopened for exchange or refund.
- All non-text merchandise must be in original condition. If the merchandise came packaged, it must be returned unopened and undamaged. Defective merchandise must be returned with the original packaging for refund or exchange.
- All refund policies described in this publication are subject to change without notice.
- Please direct questions concerning information in this publication to bookstore employees.

## Textbook Rental-Option Program

IVCC students can take advantage of our textbook "rental-option" when purchasing books for a growing number of courses. If a textbook is designated as a "rental-option" title, students have the option of purchasing the textbook or renting.

Designated textbooks are rented for \$48 each, which includes a \$28 rental fee plus a \$20 deposit. When the student has finished with their rental book at the end of the semester, they simply return it to the IVCC Bookstore by the published date on their rental agreement and receive their \$20 deposit back.

The student's final textbook rental is \$28. Due to the nature of this program, rental costs are subject to change.

The IVCC Bookstore is working with Academic Divisions and Faculty to make as many titles available for rent as possible as our program expands. Not all textbooks are part of our rental program.

## Rental Requirements:

1. An IVCC student ID.
2. A copy of your schedule showing that you are enrolled in the class.
3. When at the register, you will sign a rental agreement stating that you understand when your rental book must be returned and the penalties if the books are returned late or not returned.

## Rental Return Policy:

- For classes lasting a full semester during the fall or spring, you may return your rental book for any reason within the first 10 days of class and receive the full \$48 refund.
- For classes lasting eight weeks, rentals may be returned for a full refund within five days from the first day of class.
- For classes lasting four weeks or less, rentals may be returned for a full refund until the class meets for the second time. After the

initial full refund period, you must return your rental book by the published date (detailed on your rental agreement) to receive your deposit of \$20.

- After the final date, your student account will be charged for the retail price of a new book plus a \$10 handling cost less your \$28 rental fee. This covers the replacement cost of the book plus shipping. Your deposit is forfeited.
- You will be unable to rent books, receive a transcript or register for classes until these fees have been paid.
- At the time you rent your books, you will sign a rental agreement detailing the information above. It is important that you keep your receipt and rental agreement in case you need to return your books and to remind you of when your books are due back without penalty.
- When determining the final day for a full refund: Count days Monday-Friday to compute the refund time limit. Do not count Saturday, Sunday or holidays. Days must be counted from and include the first day the class meets.

## For purchased textbooks or rentals

If your class is canceled or you drop a class, the timing guidelines of the textbook and rental return policy still apply.

### ORDERING TEXTBOOKS ONLINE FROM THE IVCC BOOKSTORE:

- Go to [www.ivccbookstore.com](http://www.ivccbookstore.com)
- Find the Textbooks tab and click "Buy/Rent".
- Choose your term from the drop down menu.
- Select your course listed alphabetically under "Departments"
- Select your course number, then select your section.
- Click on 'compare prices on these course materials'.
- Click through to begin your price comparison.
- Find the course materials chosen by your instructor in the purple bar on the left side of the page.
- Select the items you would like to purchase and place them in your cart.
- Once the items have been added, press 'checkout'.
- Confirm that you are purchasing from the IVCC Bookstore by clicking 'checkout from retailer'.
- You will be redirected to the IVCC Bookstore site where you will complete your checkout.
- OUR WEBSITE COMPARISON SHOPS FOR YOU AS FOLLOWS:
- Once you click on 'compare prices on these course materials', you will have the opportunity to compare prices from other internet vendors.
- If purchasing from an internet vendor, you will need to go through the checkout process for each one.

### RENTING TEXTBOOKS ONLINE

- Go to [www.ivccbookstore.com](http://www.ivccbookstore.com)
- Find the Textbooks tab and click "Buy/Rent".
- Choose your term from the drop down menu.
- Select your course listed alphabetically under "Departments"
- Select your course number, then select your section.
- Click on 'compare prices on these course materials'.
- When books come up you will see the textbook for purchase and the same textbook for rental online, listed separately.
- Choose the rental textbook only, if you wish to rent it. DO NOT choose both.
- You will be asked to "accept" the current semester's rental agreement before your book will be placed in the basket. You must accept to have the book placed in your basket.
- You may add other books before completing your order.
- 

### OTTAWA CENTER TEXTBOOK PICK UP

If you are taking courses at the Ottawa Center, you can have your textbooks delivered to the center at no charge. You will need to pick them up. To order your books online go to [www.ivccbookstore.com](http://www.ivccbookstore.com). Find the Textbooks tab and click "Buy/Rent" and follow the steps above. When you arrive at the checkout screen, choose "Pick up at

Ottawa Center" as your shipping choice. Currently books are delivered to the Ottawa Center on Wednesdays and will be available after 2:00pm. All online orders placed Monday to Tuesday will be available for pick up at the Ottawa Center on Wednesday of that week. Orders placed on Tuesday after 2pm Wednesday, Thursday, Friday, Saturday, or Sunday will be delivered on the Wednesday of the following week.

## Textbook Buyback and Rental Return

Textbook Buyback and Rental Return are held at the same time in the hall outside the Bookstore during final exams each semester. Signs will be posted around the college and in the Bookstore noting the date and times of the buyback. The \$20 deposit will be refunded for rental books. Purchased textbooks in good condition that have been adopted for the next semester will be repurchased at 50% of the new price at the beginning of the term subject to the following conditions:

- Textbooks that have been revised by the publisher and textbooks in poor condition will not be bought back (highlighting and margin notes are acceptable; written or circled answers and loose or missing pages are not.)
- The bookstore reserves the right to limit quantities on any title based on current inventory.
- Titles that have not been re-adopted or that exceed the bookstore's limits will be repurchased at the current wholesale market value if there is one. Old editions, however, do not usually have any market value.
- Textbooks used by a student for a class that he or she drops after the tenth day of the semester must be held for the term ending buyback.

For more information on the IVCC Bookstore and its policies, please visit our website at [www.ivccbookstore.com](http://www.ivccbookstore.com) (<http://www.ivccbookstore.com>).

## Career Services

Located in CTC-203

Phone (815) 224-0502

### Overview of Services

Career Services specializes in assisting students, alumni and college district residents by providing resources and the tools needed in all aspects of career decision making and job search. Individual appointments are available for assistance on the job search process, including resume and cover letter writing and interviewing skills. To make an appointment, please call the Career Services Office at (815) 224-0502.

Workshops and classroom visits are held throughout the academic year offering topics related to the job search such as Resume Writing, Cover Letters, Interviewing Skills and Career Decision Making. For a schedule of workshops and activities and job search resources, contact Career Services or visit the Career Services website at: <https://www.ivcc.edu/cs.aspx?id=6946>.

### Job Postings and On-Line Services

We offer a variety of job postings from IVCC's district employers who are interested in hiring our students and district residents. With an email address and a password, job seekers can register for IVCC's online job search/job posting system, <https://www.collegecentral.com/ivcc/>, and have access to job postings throughout the year within our district as well as throughout the Chicago suburbs and Central Illinois. These postings may offer part and full-time employment opportunities as well as internships. Many postings target IVCC's occupational programs, although we offer information on entry-level positions and those requiring a Bachelor's degree or greater. These plus additional position openings can also be viewed by visiting Career Services Job Board on campus.

### Job Fair

Our annual spring job fair offers a variety of opportunities from an average of over 60 employers and is open to all IVCC students, alumni and our college district residents. This major event, held in April of each year provides an opportunity for job seekers to meet a variety of employers face-to-face in one setting. This event is held to recruit students who attend IVCC and to attract people who are currently employed and are interested in a career change. Employers who may wish to participate in this annual event should call the Career Services Office to request more information. On-Campus recruitment by individual businesses is sponsored by Career Services and is listed on our Job Board under "Special Events". Information on Job Fair is available on the Career Services website, <https://www.ivcc.edu/cs.aspx?id=2008>.

### Career Resource Center

The Career Resource Center is a three-station computer lab and printer designated entirely to support the job search process. The Center is staffed daily during regular business hours to provide hands-on assistance with resumes and cover letters, and to assist visitors with accessing career planning and labor market information via the Internet. The Center is located within the Career Services area.

### Internships

Career Services works collaboratively with Academic Program Coordinators and serves as a resource to students who are seeking an internship opportunity. Assistance may include internship forms and resources to find information about internships available.

### Wage Data and Labor Market Information

Employment wages, projections, as well as state and regional data, are available through the Career Services website. Career Services can assist individuals with locating and understanding the information as it relates to making career decisions.

### Career Assessments

Personality and interest inventories are available to aid in the decision-making process and in selecting educational programs. Our on-line career assessment and exploration tool, CareerCruising.com provides an individualized assessment utilizing interest-based career matching software and occupational information. CareerCruising.com may

be accessed via the internet from school or home and is our most valuable and used career decision-making tool.

## Counseling Center

**Location: Room CTC 202**

**Phone: 815-224-0360**

**Reception Desk Hours:**

Monday, Thursday, \*\*Friday  
8:00 a.m. - 4:30 p.m.

**\*Counselors are available:**

8:00 a.m. - 11:30 a.m.

1:00 p.m. - 3:15 p.m.

\*Please call to confirm walk-ins are available.

**Reception Desk Hours:**

Tuesday and Wednesday  
8:00 a.m. - 7:00 p.m.

**\*Counselors are available:**

8:00 a.m. - 6:15 p.m.

\*Please call to confirm walk-ins are available

## Freshman Counseling and Registration

The purpose of the Freshman Counseling and Registration is to orient new students with IVCC, acquaint new students with college services and resources, familiarize new students to the campus and appropriate college processes, receive advisement, and register for classes. Make your appointment early February at <https://www.ivcc.edu> by choosing Freshman Counseling and Registration. For your convenience, we offer day and evening options which run approximately 2 hours on the main campus. If you haven't already taken the college placement tests, you should do so BEFORE making your appointment.

## Counseling, Advising and Transfer Services

Counselors at IVCC provide comprehensive services that are designed to assist you in reaching your educational goals and to enhance your learning and personal development. We strive to educate you about graduation and transfer requirements, college policies, student support resources, educational and career planning, and much more. We advocate for you to ensure your academic success as well as personal growth and social development. We empower you through working collaboratively with you to develop strong decision-making skills, as well as the necessary skills that you need to assume responsibility of your education plans and achievements.

## Academic Planning

Counselors are available to assist you in the exploration of your educational goals. We help you to:

- Develop an education plan
- Learn how to succeed in college
- Explore educational options and develop a map to meet educational goals
- Succeed when experiencing academic challenges

## Career Counseling

IVCC Counselors can help you to explore and clarify your understanding of personal qualities that influence your career choices. Counselors assist with:

- Identifying your personal interest, skills, and abilities
- Exploring options in career fields
- Helping to match an educational plan to your personal and career interests

## Academic Advising

IVCC Counselors provide developmental advising support, which includes

- Career and educational planning
- Interpretations of assessments
- Strategies to address academic difficulties
- Preparation for university transfer or entry into the workforce
- Assistance planning a schedule for the next semester

## Transfer Services

IVCC offers a wide variety of courses specifically designed for transfer.

This enables you to complete the first two years of coursework leading toward a bachelor's degree in virtually any field of study at a four-year college or university. Visit the IVCC Transfer Services website at <https://www.ivcc.edu/transferservices>. Our Transfer Coordinator and counselors are available to assist you to:

- Plan your program of study
- Select coursework for a seamless transfer

## Personal Counseling

The IVCC Personal Counseling Assistance Program (P-CAP) provides confidential and professional counseling assistance to enrolled students in emergency situations. Counselors are professionally trained in mental health, personal development and relationship issues and can provide immediate, short-term assistance. Referrals may be made to community agencies, medical services or public assistance for continued services. IVCC does not provide long-term counseling services.

In the event you are experiencing a crisis or emergency situation when you are on campus, you will be given priority attention. Please come to the **Counseling Center** in CTC 202 or call 815-224-0361 or 815-224-0324. **When calling or visiting, be sure to indicate that you need to speak to a counselor about a personal and urgent issue so that you can be given first priority.**

## Counseling and Advising Resources

### ULifeline

ULifeline is an anonymous, confidential, online resource center, where college students can be comfortable searching for the information they need and want regarding mental health and suicide prevention.

It is available where college students seek information the most - at their fingertips on the internet. Visit <http://www.ulifeline.org/> for further information on ULifeline.

## Academic Advising Statement

The functions of academic advising at IVCC include:

- Providing students with current information on policies, procedures and programs of IVCC and other universities as possible
- Assisting students in choosing educational and career objectives that commensurate with their interests and abilities
- Assisting students in exploring the possible short and long range consequences of their choices
- Making students aware of the wide range of services and educational opportunities that may be pertinent to their educational objectives
- Ensuring students understanding of their responsibility to know and meet graduation requirements and to make every reasonable effort to obtain adequate academic advising
- Encouraging frequent advisor contact that will help to ensure the student has current academic information and is making adequate progress towards educational goals

## Confidentiality Statement

When meeting with a counselor, some students are concerned about privacy and confidentiality. We do our very best to minimize these concerns by respecting student anonymity and protecting student information. IVCC counselors operate within the professional guidelines of the American Counseling Association and are professionally obligated to keep information confidential. Information about counseling sessions will not be related to, or discussed with, any external constituents to Counseling without the explicit written permission from the student except in cases where harm to self or others is discovered. Referrals are also provided only with the student's permission.



## Online Distance Learning

<https://www.ivcc.edu/DL>  
(815) 224-0462

### Online Courses

Courses offered via the Internet meet the same quality standards as our traditional on-campus courses. Students are able to interact with their instructor and classmates via e-mail, class Web pages, and other types of interactive media. To succeed with online courses, students must be able to remain on schedule without the physical reminder of going to class every couple of days. In addition, they must participate in class activities as assigned by the instructor.

### Blended courses

Blended courses combine the benefits of face-to-face courses with the benefits of online learning. These classes have a required online component. Students spend less time in the classroom, and more time interacting through online communications technologies. If you feel you learn best when listening to the instructor in the classroom, you may find this a suitable alternative to online learning. Some students find blended courses give them the experience and confidence needed to try online courses.

## England, France, Austria, Ireland, Spain, and Costa Rica

As a member of the Illinois Consortium for International Studies and Programs (ICISP), IVCC now offers students exciting opportunities to spend a semester in England, Austria, Ireland, or Spain, or a summer session in Costa Rica or Australia. In many cases, financial aid is available for Study Abroad opportunities.

### CANTERBURY, ENGLAND

**The City:** Canterbury is a picturesque city of 34,000 located in Kent County, 90 minutes from London by train.

Famous as the destination for Chaucer's 14th-century pilgrims, the city dates to Roman times. Landmarks in the city include portions of the old Roman walls and the historic cathedral where the 12th century Archbishop Thomas Becket was murdered.

**The College:** Christ Church College, a public institution enrolling about 10,000 British students is located in central Canterbury, one block from the ancient city wall and three blocks from the cathedral. As a student in the program, you will have full access to all facilities.

### SALZBURG, AUSTRIA

**The City:** Beautiful Salzburg is located in the northern foothills of the Alps, near the Bavarian border.

Its scenic landscape and rich architectural heritage have led to its reputation as one of the world's most beautiful cities. Famous as the birthplace of Mozart, and host to the annual Salzburg Music Festival, the city has long been a music center for Europe.

**The College:** The program is affiliated with Salzburg College, a private school located on the grounds of Schloss Leopoldskron where The Sound of Music was filmed.

### CARLOW, IRELAND

**The City:** Located about 50 miles south of Dublin, Carlow is best described as a quintessential Irish country town. Affectionately called "Carlow-Towne" by the locals, Carlow serves the nearby rural areas of the Barrow Valley. Located on the banks of the scenic River Barrow, a wide selection of merchant shops and traditional pubs line the cobblestone streets of the bustling city center.

**The College:** Carlow College, founded in 1798 is one of Ireland's oldest educational institutions. With a student body of less than 1,000, Illinois students will be very much a part of all the activities at the college. Students will study Irish Culture, other general education courses, and go on field trips designed to complement and enhance their educational experience.

## SEVILLA, SPAIN

**The City:** Seville located about 300 miles southwest of Madrid and the capital of Andalusia is one of the most beautiful cities in the world. It is a city of palaces, churches, towers and historic neighborhoods. Its origins date back to Roman times. Its history includes Visigoth, Arabic, Christian, Jewish, and modern culture and influences. Andalusia is where all of Spain's most powerful images appear together: bullfighters, flamenco dancers and singers, white villages, festivals, fairs, and more.

**The College:** The International College of Seville has a library, wi-fi access, and a student lounge. Courses are taught in English and does not require knowledge of Spanish to get started. The college is located in a quiet residential neighborhood where chalets, bouganville bushes and palm trees give way to historic taverns and outdoor cafes.

## SAN JOSE, COSTA RICA

**The Country and City:** Beautiful San Jose is the capital of Costa Rica, a bastion of democracy, stability and social equality in Central America.

The country boasts a variety of topography, including beautiful beaches, mountains, tropical rain forests and active volcanoes. The capital of San Jose enjoys 80 degree temperatures year round.

**The College:** Students will enroll for a five-week summer session at the Forester Instituto Internacional, a modern private institution.

Students will take an appropriate level of Spanish and a course in Latin American history and culture, with an emphasis on Cost Rica. Five field trips are included, featuring an active volcano, a banana plantation, a biological reserve and a three-day excursion to a national park on the Caribbean coast.

For more information contact:

Stephen Alvin, Instructor  
(815) 224-0423  
steve\_alvin@ivcc.edu

## E2C Early Entry College

Susan Monroe by phone at (815) 224-0598 or by email at Susan\_Monroe@ivcc.edu.

### Early Entry College - E<sup>2</sup>C

E<sup>2</sup>C (Early Entry College) is an opportunity for students to earn college credit while enrolled as a junior or senior in high school. Qualified students, with permission from their high school principal or designee, are eligible to enroll in IVCC courses offered on-site at their local high schools during the day.

### What is Dual Credit?

Dual Credit courses are offered on-site at area high schools. These courses are taught by IVCC instructors or high school instructors that meet the qualifications to be an IVCC instructor. What makes them dual credit is that upon completion of the course, the high school student will receive college credit as well as high school credit.

### What is Dual Enrollment?

When a student is enrolled in high school, as well as enrolled at IVCC. These courses could be offered at area high school or on an IVCC campus, but upon successful completion of the course, the student only receives college credit.

### What is Career and Technical (CTE) Dual Credit?

These courses are offered at area high schools or at the Area Career Center. The courses are at no cost to the students, and upon successful completion can be applied to a certificate or an Associate in Applied Science Degree.

### Reduced Cost

The cost for IVCC courses taken for college credit or dual credit at the high schools during the normal school day is 75 percent of the per credit hour cost, plus registration fees and the cost of textbooks.

For further cost information please visit <http://www.ivcc.edu/earlyentrycollege.aspx?id=21089>.

### Enrollment Requirements for Dual Credit

Per the Dual Credit Act:

- In order to earn dual credit at your high school, you will need to be 16 years old.
- Have approval from the high school. Each high school has their own requirements to be able to take a dual credit course.
- Placement exams are required for all Math and English classes.
- Fill out the enrollment form with payment attached.

### Taking IVCC Classes while in High School

Any student that is 16 years of age is able to take IVCC classes at our main campus or Ottawa Center. Classes run during the day or evenings. Summer is a great way to earn a few credits to help lighten the load in college and has a variety of start dates. IVCC Counselors can assist with course selection assistance and registration occurs through the Admissions Office.

For anyone under the age of 16 who wishes to enroll at IVCC, please email the Associate Vice President for Student Services, Mark Grzybowski at [Mark\\_Grzybowski@ivcc.edu](mailto:Mark_Grzybowski@ivcc.edu).

Please visit the Dual Credit/Dual Enrollment/E<sup>2</sup>C web page at <http://www.ivcc.edu/earlyentrycollege.aspx?id=3624> for additional information.

For questions on the Dual Credit/Dual Enrollment/E<sup>2</sup>C Program contact:



## Financial Aid

### The Financial Aid Office Mission

The Financial Aid Office serves students and families by helping them find sources of assistance that give them access to college.

The Financial Aid Office educates people about financial aid programs, application procedures, responsible management of financial aid funds and fulfilling all responsibilities that accompany being a student, student employee or an educational loan borrower.

Phone: (815) 224-0438

Fax: (815) 224-0638

Web Address: <http://www.ivcc.edu/financialaid/>

### Overview of Services

#### Financial Aid Advising

The Financial Aid Office staff is available to answer your questions about all aspects of applying for and receiving financial assistance. Students and their parents are welcome to contact us at any time.

#### Special Financial Aid Reviews

In certain cases, a financial aid application may not accurately reflect an applicant's current financial situation, because of circumstances beyond his/her control. As a result, the Financial Aid Office may exercise "professional judgment" and revise an application to reflect the applicant's current financial situation.

The following scenarios illustrate some special circumstances that can be addressed by the Financial Aid Office. This is not an exhaustive list.

- Major loss of income or benefits due to unemployment, unexpected layoff, dislocation, natural disaster, certain unexpected non-discretionary expenses, etc.
- Separation or divorce after an initial financial aid application has been completed.
- Death of a parent or spouse after an initial financial aid application has been completed.

#### Tuition Deferments & Bookstore Vouchers

Students with financial aid, which exceeds the cost of tuition and fees, are eligible to defer their tuition and may charge required books and supplies in the bookstore before financial aid funds are disbursed.

- Contact the Financial Aid Office or Cashier for information.

#### What happens to Financial Aid recipients who withdraw or stop attending classes?

Students who receive federal financial aid are subject to a federal regulation if they cease attending before the end of the term. This law applies in cases where a student ceases enrollment officially OR unofficially. This law is explained in the following paragraphs.

#### Leave of Absence

Students who need to request a complete withdrawal (withdrawal from all courses) may do so using WebAdvisor or by submitting a Withdrawal Form to the Records Office. Students who receive financial aid are strongly encouraged to contact the Financial Aid Office to determine what effect it may have on their current and future financial aid eligibility. (see Return of Title IV Funds.)

#### Return of Title IV Funds

IVCC must return financial aid funds to the Department of Education when a student stops attending before 60% of the term has been completed. If a student stops attending classes before that point in time, IVCC must return a portion of the financial aid because it was not "earned."

Because IVCC has to repay money to the federal government, the Business Office will bill the student for this amount (i.e., the balance created on the student's account once the funds have been returned by the college). If this balance is not paid, the student will be prevented

from registering for future classes at IVCC and a hold will be placed on the student's academic transcripts.

The amount the student will owe is based on the date the student stops attending. IVCC will determine what percent of the semester has been completed. For example, if the student's tuition and fees are \$800 and the student completes 25% of the semester, then IVCC must return 75% of the student's aid (= \$600) to the Department of Education. The student will then owe \$600 to IVCC for the now unpaid tuition and fees.

### Financial Aid Disbursements

A student receiving financial aid who stops attending IVCC may also be required to return a portion of Federal Grant aid (Pell Grant or SEOG Grant) which was paid directly to the student by IVCC. The student may be required to return a percentage of the unearned grant aid he/she received if he/she stopped attending before 60% of the term has been completed.

Students who do not return these federal funds will be barred from receiving further financial aid because IVCC will refer these persons to the Department of Education for debt collection. If that happens, the student will lose eligibility for financial aid at all colleges in the United States until he/she has either repaid the money or established a satisfactory repayment program with the Department of Education.

Because this regulation is complex, you are strongly encouraged to contact the Financial Aid Office before you stop attending the college.

### Who is eligible to receive financial aid?

In order to be eligible for Financial Assistance the applicant must:

- Be a U.S. citizen or eligible non-citizen;
- have a high school diploma, graduated from a Home School, or GED certificate;
- not be in default on a student loan, nor have borrowed in excess of established Title IV loan limits;
- not owe a refund on a Federal or State grant received at any previously attended school(s);
- be registered with Selective Service if you are a male and required by Federal law;
- be enrolled in an associate degree program or an approved certificate program of at least 16 credit hours in length;
- maintain Satisfactory Academic Progress while completing a degree or certificate program (see section on Satisfactory Academic Progress).

### How do I apply for financial aid?

To apply for Federal and State financial aid (grants, work-study and loans) you must complete a Free Application for Federal Student Aid (FAFSA). You can complete the FAFSA online at <https://fafsa.ed.gov/>. (https://fafsa.ed.gov) Use School Code: 001705.

### What is satisfactory academic progress?

Federal and state regulations require that Illinois Valley Community College establish and implement a standard of academic progress for students receiving financial assistance. The Satisfactory Academic Progress Policy applies to all IVCC students receiving federal Title IV financial aid, state aid, institutional aid, and/or military benefits. Satisfactory academic progress is measured in three ways:

1. GRADE POINT AVERAGE
2. COURSE COMPLETION RATE
3. MAXIMUM TIME FRAME TO COMPLETE PROGRAM

You must satisfy all three of these standards of progress to maintain financial aid eligibility, including veteran benefits (except where noted).

#### 1. Cumulative Grade Point Average (GPA) Requirement:

A student must have a cumulative grade point average of 2.0 or higher to be eligible for continued financial assistance. Incomplete (I) grades will be calculated as an 'F' until the final grade has been submitted. It is the student's responsibility to notify the Financial Aid Office when their final grade has been completed. Withdrawals (W) and transfer courses

are not normally included in the GPA calculation. For repeated classes, all grades will be included in the GPA calculation.

**Students who do not have a cumulative 2.0 GPA will be put on one semester of warning, but will still receive financial aid for that semester. If a 2.0 GPA is not achieved by the end of that semester, they will be suspended and will no longer be eligible for financial aid.**

### 2. Course Completion Rate:

A new, continuing, or transfer student must successfully complete more than 66.66 percent of the courses attempted throughout his/her entire enrollment at IVCC. A successful completion is defined as earning a grade of 'D' or better. Withdrawals (official or unofficial), incompletes, repeated courses, developmental courses, and transfer credits are included in hours attempted. Courses completed with a passing grade and transfer courses, applicable to the student's program of study, will count as completed credit hours.

Students who do not have a completion rate of more than 66.66 percent will be put on a one semester warning, but will still receive financial aid for that semester. If the required completion rate is not achieved by the end of that semester, they will be suspended and will no longer be eligible for financial aid (Note: Illinois Veteran's Grant and Illinois National Guard Grants are exempt from course completion requirements.)

### 3. Maximum Timeframe to Complete Program:

Students may pursue completion of a degree or certificate program on a full or part-time basis, but the federal government requires that students make progress toward completion in a timely fashion. A student cannot receive financial assistance beyond the specified time allotted for completion of his/her program.

Students maximum attempted hours of eligibility at IVCC are determined by multiplying the length of the Academic Program by 150 percent. Included in attempted hours are credit hours transferred to IVCC from other institutions and "Prior" hours attempted at IVCC, regardless of whether or not the student previously received financial aid. Examples are as follows:

Associate Degree requiring 64 credit hours =  $64 \times 150\% = 96$   
Maximum Credit Hours Attempted.

Certificate Program requiring 24 credit hours =  $24 \times 150\% = 36$   
Maximum Credit Hours Attempted.

If financial aid is discontinued under the Maximum Timeframe Standard, special consideration **may** be given, through the Appeal Process, only for the following reasons:

- Students are allowed a maximum of 30 attempted hours of developmental course work in addition to the 96 Maximum Credit Hour Limit.
- Students who have changed majors may be granted a reasonable extension of hours provided they submit a letter from an IVCC Counselor verifying the change in major and the remaining courses required for degree completion. Students must have been meeting the required Standards of Satisfactory Academic Progress prior to changing majors.

The review of the Maximum Timeframe Standard will occur at the end of each semester. Once a student reaches 150 percent of the standard program hours, financial aid will be discontinued.

**Important note:** Students who have completed their program of study, regardless of whether they have received their degree or certificate, will be considered as suspended from receiving further financial aid. Financial aid cannot pay for course work taken to meet prerequisites for a program of study at another college or university. Students who plan on pursuing a second degree or certificate at IVCC may submit an appeal for the reinstatement of their financial aid.

## EVALUATION AND APPEAL PROCESS

### Evaluation Process:

The Standards of Academic Progress tracking begins when the student attempts his/her first credit hour course at IVCC. The evaluation process is run at the end of each academic semester.

1. Students who do not meet the cumulative 2.0 GPA and/or a completion rate of more than 66.66 percent will be placed on "**Warning Status**" for their next semester of attendance. Students will be allowed to receive financial aid during this warning period.

2. Students, who are currently on warning status and fail to meet the 2.0 GPA, a completion rate of more than 66.66 percent, and/or have exceeded the 150 percent timeframe, will be placed on "**Suspended Status**." While on suspended status students may not receive any federal or state financial aid, including: grants, student loans and military benefits (an exception is made for the Illinois Veteran and National Guard Grants if the 2.0 GPA requirement has been met.)

3. Students who have met or exceeded the maximum program timeframe will be placed on "**Suspended Status**."

### Appeal Process:

Any student placed on suspended status has the right to appeal. Appeal Forms are available in the Financial Aid Office or may be printed from the Financial Aid web page. All appeals must be complete and provide detailed information about extenuating circumstances. Extenuating circumstances include: personal illness/accident, serious illness or death within the immediate family, an auto accident or other situation beyond the reasonable control of the student. Third-party documentation is required with each appeal when applicable. Documentation may include, but is not limited to, copies of medical records, accident reports, and/or letters from an IVCC counselor, work supervisor or other counselor. Appeals must be submitted prior to or during the semester for which the student is seeking financial aid. Students will be notified **by mail** of the *Standards of Academic Progress Committee's* decision as promptly as possible. **All appeal decisions are final.**

Students whose initial appeal is denied cannot submit a subsequent appeal until successful completion of at least one additional term, in which a minimum of six credit hours have been attempted.

Students may also regain good standing by completing additional semester(s) at their own expense and bringing their cumulative GPA and/or course completion rate up to the required standard, or, by completing 'I' grades or repeating failed courses for a higher grade. It is the student's responsibility to notify the Financial Aid Office, through an appeal, in order to have their financial aid reinstated.

Students who are reinstated by the *Standards of Academic Progress Committee* are placed on "Probation Status" and are expected to meet and maintain the cumulative 2.0 GPA and a completion rate of more than 66.66 percent by the end of the semester for which he/she was reinstated. Students who meet the standards for the reinstated term but have not been able to bring their cumulative rates up to the required standards may appeal for another semester of "**Probation Status**."

**NOTE:** If a student is not meeting the minimum standards of academic progress at either the time of initial application or after the warning semester and the student has shown academic improvement during the preceding term(s), the Director of Financial Aid reserves the right, on a case-by-case basis, to "place" or "continue" a student on probation. The Director also reserves the right to suspend a student without a semester of warning based on academic performance during the preceding term(s). This includes new transfer students who failed to meet the required standards of academic progress at their previous postsecondary institution(s).

While the Financial Aid Office will attempt to notify students of their warning, probation or suspended status, it is the student's responsibility to read, understand and follow the Standards of Academic Progress Policy. If you have any questions or need additional information regarding this policy or appeal procedures, please contact the Financial Aid Office, CTC-101S, (815) 224-0438.

**Financial aid is intended to assist students in financing their education when family and personal resources are not adequate to meet their total educational cost. The information that follows is general. For more detailed information on all these programs, contact the Financial Aid Office.**

The principal forms of financial aid are:

- **GRANTS:** Financial aid awarded to students based on financial need. They are typically funded by the federal or state government; however many private colleges and universities have institutional grants that are awarded according to their own criteria.

- **SCHOLARSHIPS:** Financial aid awarded to students based on merit, talent, financial need, or other specialized criteria. Scholarships given to IVCC students are funded by the state government, the Illinois Valley Community College Foundation, and private agencies.
- **LOANS:** Financial aid awarded to students - or parents - to help meet education-related expenses. An educational loan is just that - a loan which must be repaid, with interest.

## Federal Grants

- **Federal Pell Grant:** For students pursuing their first undergraduate degree who qualify based on the federal formula. Awards range from \$590 to \$6,095.
- **Federal Supplemental Educational Opportunity Grant (FSEOG):** For students who are eligible for the Federal Pell Grant and who have exceptional financial need. At IVCC these awards range from \$150 to \$300. Funding is limited.

## Illinois State Grants

- **Monetary Award Program:** Covers a portion of tuition and fees for eligible students registered 3 credit hours to 15 credit hours per semester. Award amount is based on the availability of state funds.
- **Illinois Veteran Grant:** Full tuition for Illinois veterans.
- **Illinois National Guard Grant:** Full tuition for Illinois National Guard personnel.

## Illinois State Scholarships

- **Illinois MIA/POW Scholarship** is available to any spouse, natural child, legally adopted child, or any step-child of an eligible veteran or service person who has been declared to be a prisoner of war, missing in action, have died as a result of a service-connected disability or be permanently disabled for service-connected causes with 100% disability and who at the time of entering service was an Illinois resident or was an Illinois resident within six months of entering such service.
- **Minority Teachers of Illinois Scholarship Program:** Tuition scholarships of up to \$5,000 per year to assist individuals of African American/Black, Hispanic American, Asian American or Native American origin who plan to become teachers at the preschool, elementary or secondary level.
- **Golden Apple Scholar:** \$2,500 to \$10,000 to academically talented students, with a priority given to minority students, to pursue careers as public preschool, elementary and secondary school teachers in disciplines that have been designated as Teacher Shortage Disciplines in the State of Illinois.
- **Illinois Special Education Tuition Waiver Program:** The Illinois Special Education Teacher Tuition Waiver Program encourages current teachers and academically talented students to pursue careers in any area of special education as a public, private or parochial preschool, elementary or secondary school teacher in Illinois. Recipients are exempt from paying tuition and fees at an eligible institution for up to four calendar years.

Additional information on Illinois State Scholarships and application deadlines is available from the College Illinois website at [www.isac.org](http://www.isac.org) (<http://collegeillinois.org>)

## IVCC Foundation Scholarships

Each year, about 200 students earn scholarships through the IVCC Foundation ranging in value from \$500 to \$4,500. Over the past seven years alone, the Foundation has awarded over \$700,000.

In all, more than 120 scholarships are available for students to apply for between December and February 7th. Scholarships are awarded the following fall semester.

Awards are available in specific disciplines such as criminal justice, education, nursing, automotive, STEM and others. In addition, there are over 30 scholarships open to students in all programs of study.

The application and information is available online at [www.ivcc.edu/foundation](http://www.ivcc.edu/foundation), by calling (815) 224-0551 or by stopping by the Foundation Office, C202. All applicants for Foundation Scholarships are required to complete the Free Application for Federal Student Aid (FAFSA).

## Employment

Two different types of employment opportunities are available to IVCC students.

- **Federal Work-Study** is a federally funded financial aid employment program for students with demonstrated financial need. A variety of on-campus jobs are offered through the Work-Study Program. Student employment enables students to earn money while attending school. All student employees at IVCC are paid the State Minimum Wage (\$8.25/hour) and are limited to 20 hours per week (or less) during enrollment periods.
- **College employment** opportunities are also available (without regard to financial need).

Students interested in employment should contact the IVCC Financial Aid Office to obtain an application for employment. Applicants are not guaranteed a job but are given equal consideration for positions that are open.

## Loans for Students

**Stafford Loans:** Stafford Loans are either subsidized or unsubsidized.

- A subsidized loan is awarded on the basis of financial need. You will not be charged any interest during periods of enrollment. The federal government "subsidizes" the interest during these periods.
- An unsubsidized loan is not awarded on the basis of need. You'll be charged interest from the time the loan is disbursed until it is paid in full. If you allow the interest to accumulate, it will be capitalized - that is, the interest will be added to the principal amount of your loan and additional interest will be based upon the higher amount. This will increase the amount you have to repay. If you choose to pay the interest as it accumulates, you'll repay less in the long run.

You can receive a subsidized loan and an unsubsidized loan for the same enrollment period. If you're a dependent undergraduate student at IVCC, you can borrow up to \$5,500 if you're a first-year student enrolled in a program of study that is at least a full academic year (\$3,500 of this amount may be in a subsidized loan; the remainder will be unsubsidized); \$6,500 if you've completed your first year of study and the remainder of your program is at least a full academic year (\$4,500 of this amount may be in a subsidized loan; the remainder will be unsubsidized).

If you're an independent undergraduate student or a dependent student whose parents are unable to get a PLUS Loan (see the following), you can borrow up to \$9,500 if you're a first-year student enrolled in a program of study that is at least a full academic year (\$3,500 of this amount may be in a subsidized loan; the remainder will be unsubsidized); \$10,500 if you've completed your first year of study and the remainder of your program is at least a full academic year (\$4,500 of this amount may be in subsidized loans; the remainder will be unsubsidized).

These are the maximum amounts that you can borrow for a full academic year. For periods of study that are shorter than an academic year, the maximum amounts you can borrow may be less. The Financial Aid Office will determine the specific amount that you are eligible to borrow.

The Financial Aid Office has the right to refuse certification of a student loan or may reduce the amount requested. Students will be sent written notification of the denial or reduction and the reason why this action was taken.

## Parent Loan for Undergraduate Students (PLUS)

PLUS Loans enable parents with good credit histories to borrow to pay the education expenses of each child who is a dependent undergraduate student enrolled at least half time. To be eligible to receive a PLUS Loan, your parents generally will be required to pass a credit check. The yearly limit on a PLUS Loan is equal to your cost of attendance minus any other financial aid you receive. For example, if your cost of attendance is \$6,000 and you receive \$4,000 in other financial aid, your parents could borrow up to - but no more than - \$2,000.

## Other Local Resources of Financial Aid

- **Business Employment Skills Team (BEST):** Offers educational assistance (tuition, books, transportation), child care, tutoring guidance and support, and job placement assistance.  
Ottawa: (815) 433-4550  
Peru: (815) 224-1586  
Princeton: (815) 872-0255  
Oglesby: (815) 224-0370 (at Illinois Valley Community College)
- **Department of Human Services-Office of Rehabilitation Services (ORS):** Offers educational assistance to students who have a physical or mental disability that is a handicap to employment.  
LaSalle: (815) 224-1314
- **Dislocated Workers Center (BEST):** Offers educational and training assistance to students who have experienced employment dislocation (e.g., plant closing, lay-off, etc.). Contact Illinois Valley Community College: (815) 224-0370.

## Honors Program

IVCC offers students a comprehensive Honors Program. To qualify for the program, students must demonstrate potential for academic excellence, must show commitment to achieving Honors Program standards, must commit to 4 Honors courses including Honors Orientation (HON 1001) and Honors Portfolio (HON 1002) and must be seeking a degree or certificate from IVCC. While a member of the Honors Program, students must maintain a GPA of 3.25 or above. To begin application to the Honors Program, students should write an essay giving their reasons for wanting to enter the program and their rationale for their ability to complete it.

Obtain further information by contacting the Honors Director,  
Adam\_Oldaker@ivcc.edu.

<http://www.ivcc.edu/honors>

# Project Success

## Project Success

### Built on Relationships

The Project Success staff strives to develop personal and professional relationships with their students. Such positive relationships are critical to the success of every TRIO student. The goal of Project Success is to provide an open, supportive and friendly environment that encourages the personal and academic growth of program participants.

### Our Mission

The mission of Project Success is to work in partnership with students to help them achieve academic success, promote personal growth and improve student retention. Through a wide range of academic and personal support activities, Project Success will help students achieve their goals and make the most of their college experience.

### What We Offer

1. Personal Attention and Support
2. Academic Advising and Early Registration
3. Easy Access Computers for Student Use
4. Career Exploration Activities
5. Transfer Assistance and visits to Four-Year Colleges and Universities
6. Opportunities for Cultural Enrichment and Leadership Training
7. Workshops and Support Groups
8. Limited Scholarships

### Are You Eligible?

Project Success is designed to assist first-generation and low-income students who are degree seeking and/or hope to transfer to a four-year college or university. Project Success also serves students with physical or learning disabilities through collaboration with the Office of Disability Services.

### How To Contact Us

Project Success is located in CTC204 and can be reached at (815) 224-0594.

### Project Success Staff

#### Director

Chris Herman - (815) 224-0593

#### Counselors

Cynthia Cardosi - (815) 224-0592

Diane Scoma - (815) 224-0591



# Student Activities, Sports, and Organizations

## Student Activities, Sports and Organizations

### Mission Statement

The Student Activities department complements the student's academic experience through the development of, exposure to, and participation in social, cultural, multi cultural, intellectual, recreational, community service and campus governance programs.

Opportunities for the development of leadership, social and interpersonal relationships, skills and character are offered through participation in recognized campus organizations.

Included among these are professional and honorary societies related to the academic areas of the college, departmental organizations, service and social organizations and recreational groups.

Each organization, in fulfilling its obligation as a part of the college, has a faculty member, staff member, or administrator as an advisor.

All social activities planned by the student organizations are held under the supervision of the organization's advisor.

To inquire about creating a new organization, please contact the Coordinator of Student Activities, Room E-201B or (815) 224-0509. Clubs and Organizations Descriptions and Advisor Contact Information (<https://www.ivcc.edu/clubsandorganizations.aspx?id=27118>)

### Student Government Association

The Student Government Association (SGA) is the officially recognized student government organization at IVCC.

The SGA, composed of four officers and a student representative to the Board of Trustees, three representatives of the freshman and three representatives of the sophomore classes (based on enrollment), meet to discuss matters of concern to the entire student body and to plan events and activities for students at the college. In addition, members of SGA serve with faculty and administrators on various committees.

Watch for notices regarding Student Government petitioning and elections during September and April.

Questions regarding the Student Government Association, its membership, and activities should be directed to the Coordinator of Student Activities, Room E-201B or (815) 224-0509.

The Student Government Office is located in E-201B. Member office hours are posted on the office door.

### Co-Curricular Transcripts

The Co-Curricular Transcript is a self-reported document that provides students an opportunity to record and verify participation in co-curricular and extra-curricular activities, learning, and development while attending Illinois Valley Community College.

#### Purpose

The Co-Curricular Transcript is an official record of a student's involvement in nonacademic activities that may be used to complement a resume, an academic transcript, a scholarship application and the like.

#### Eligibility

All students who are in good standing with IVCC are invited to participate in this program.

#### Eligible Activities

Only noncredit events and activities qualify for Co-Curricular Transcripts. These events can take place on or off campus and need not be sponsored by the college. The Co-Curricular Transcripts will be divided into seven categories.

- Clubs/Organizations
- Leadership Development
- Career Development
- Campus Service
- Community Service
- Athletics/Recreation
- Other (Awards, Honors, etc.)

### Process

Students will be required to follow the following process in order to complete and request a co-curricular transcript.

#### Enrolling

Each student that would like to participate in this program will be required to contact the Coordinator of Student Activities (E-201B) to fill out an initial enrollment application form. The Coordinator of Student Activities will then create an electronic and paper file for the student.

Application Form (<http://www2.ivcc.edu/sga/cocurricularapp..htm>)

#### Activity Verification Form

The student can obtain an Activity Verification Form from the Coordinator of Student Activities. These forms must be completed by the student and must be signed by the appropriate Activity Representative for each activity. These forms may be turned in to the Coordinator of Student Activities (E-201B) at any time and must be submitted by the end of the semester in order for events to be included on the transcript.

Verification Form (<http://www2.ivcc.edu/sga/cocurricularactivityverification.htm>)

#### Follow Up

Upon receipt of the Activity Verification Form, the Coordinator of Student Activities will contact the appropriate Activity Representative to personally verify the student's participation in the activity. Once verified, the activity will be documented in the student's file.

#### Requesting a Transcript

A student must request a transcript from the Coordinator of Student Activities by completing a Request Form. Request Forms should be filled out at least 48 hours prior to the desired pick up time. Transcripts will only be issued to the student unless a signed consent directs otherwise.

#### Issuing a Transcript

The Coordinator of Student Activities will compile a complete transcript. The Associate Vice President for Student Services will sign and authorize each Co-Curricular Transcript. Transcripts will only be issued to the student unless a signed consent directs otherwise.

## Athletics

### Men

- Basketball
- Baseball
- Soccer
- Tennis
- Golf

### Women

- Basketball
- Volleyball
- Softball
- Soccer
- Tennis

The Athletic Office is located in G-211 or by phone at (815) 224-0472.



## Transcripts

Transcripts will be released only upon written request by the student. Transcript request forms may be obtained in the Office of Admissions and Records, in the Counseling Center, or at [www.ivcc.edu/transcripts](http://www.ivcc.edu/transcripts). (<https://www.ivcc.edu/admissions.aspx?id=1980>) In order to better protect the security of student records released by the Office of Admissions and Records, a photo ID will be required when a transcript is picked up in the office. When another person is picking up an official document listed above, that person will need a letter signed by the student to release the document and will be asked for a photo ID as well.

## Student IDs

It is recommended all students have an IVCC photo ID. ID photos are taken in the Admissions & Records office:

IDs are required in Jacobs Library to check out books, for free admittance to cultural or intercollegiate sporting events, and when using the Computer Labs.

Effective Summer 2011, the student's K-Number (on the bottom of the student ID) is the username for WebAdvisor, Blackboard, and the network. It is the first part of a student's IVCC email address ([knumber@office365.ivcc.edu](mailto:knumber@office365.ivcc.edu)). It will never be used to identify a student. It is to be used only as the username to log into the various computerized college systems.

Students can find their K-Number by:

1. Visiting the WebAdvisor home page and clicking on "What is my user ID".
2. Using any of the "What is my K-Number" computers across campus.
3. Visiting the Learning Commons in D-201.

If requesting a new card, students are required to bring a copy of their schedule and their old ID card. If the student does not have their old ID, they are required to show a photo ID and pay a \$5 replacement fee.

Effective Summer 2011, all students will be responsible for checking their IVCC email. Official electronic college correspondence will only be sent to the student's IVCC email account. For information on accessing this account, please contact the Learning Commons in D-201.

Intercollegiate athletics plays an integral role in the college experience at IVCC.

The College offers 10 intercollegiate teams including:

**Men's Sports:** Baseball, Basketball, Golf, Soccer, and Tennis

**Women's Sports:** Basketball, Soccer, Softball, Tennis, and Volleyball

The Student-Athletes that represent IVCC perform extremely well in competition, as well as in the classroom. Athletically, many teams have won Arrowhead Conference Championships, advanced to Regional Tournaments, won Regional Tournaments, and earned an opportunity to compete at NJCAA National Tournaments. In addition, many athletes have earned individual athletic awards at the conference, regional and national levels. However, more importantly, IVCC Student-Athletes have consistently earned Academic All-Conference and Academic All-American honors.

While participating in athletics, IVCC Student-Athletes gain knowledge and experience in many areas that will help them in other aspects of their life including: competition, teamwork, discipline, organization, and communication. Further, our programs strongly support the College's Core Values of responsibility, fairness, respect, honesty, and caring.

These values are evident the way athletes approach their academic careers, represent IVCC in competition, and the many community service projects they perform.

Click here to be taken to the IVCC Athletic team sites (<http://www.ivcceagles.com/landing/index>).

## Records

The Office of Admissions and Records has the responsibility of maintaining the permanent academic records of all students who attend IVCC. Requests to have an official transcript sent to another institution must be submitted to the Office of Admissions and Records in writing. The forms are available in the Office of Admissions and Records, in the Counseling Center or at [www.ivcc.edu/transcripts](http://www.ivcc.edu/transcripts).

In order to better protect the security of student records released by the Office of Admissions and Records, a photo ID will be required when a schedule, transcript, or insurance form is picked up in the office. When another person is picking up an official document listed above, that person will need a letter signed by the student to release the document and will be asked for a photo ID as well.

In situations where a person does not have one of the above forms of ID, the document will be processed immediately and mailed to the student address on file.

## Veterans Education Benefits

The Veteran's Certifying Official, located in the Financial Aid and Veteran's Affairs Office, is available to assist with GI Bill enrollment certification, and provide information or special services for veterans, service personnel and eligible dependents. The application process for military educational benefits can be complicated and lengthy. Therefore, interested applicants begin the process as soon as possible and allow 2-3 months for results. You may also want to contact the Department of Veterans' Affairs at (888) 442-4551 with questions about eligibility criteria.

The following information outlines some of the GI Bill programs available: Montgomery GI Bill - Active Duty (MGIB, Chapter 30); Montgomery GI Bill - Selected Reserve (MGIB, Chapter 1606); Survivors' and Dependents' Educational Assistance Program (Chapter 35); Training for Veterans with Service-Connected Disabilities (Vocational Rehabilitation, Chapter 31), Post 9/11 (Chapter 33), and Reserve Educational Assistance Program (Chapter 1607).

## WebAdvisor

WebAdvisor is a Web interface that allows students to access their personal academic information. Through WebAdvisor students can search for classes to take, register for classes, make full tuition payments and much more. WebAdvisor can be found at [www.ivcc.edu/webadvisor](http://www.ivcc.edu/webadvisor). Support is available in the Learning Commons.

## Student Access to Records

In accordance with the provisions of Public Law 93-380, a student currently or formerly enrolled at Illinois Valley Community College has the right of access to his/her records.

The types of educational records maintained by the college and directly related to students are those to which student access is allowed per Public Law 93-380. Following are types of educational records at IVCC to which students may request access and the name of the college official responsible for each type of record:

- An official college academic record (transcript) from the Director of Admissions & Records
- Student disciplinary records from the Associate Vice President for Student Services.

For more complete details concerning student access to educational records, refer to the section titled FERPA in the student handbook.

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