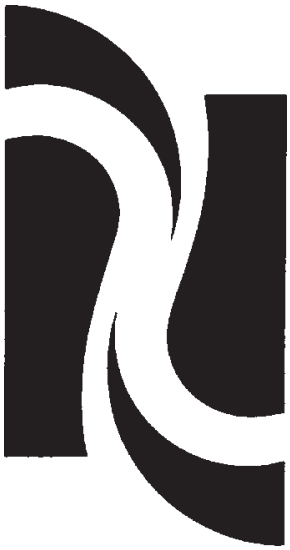

HIGHLAND COMMUNITY COLLEGE

2006-2009 Catalog

Phone Directory

General campus phone	815.235.6121
General campus fax	815.235.6130
Campus TDD phone	815.235.9584
Admissions	815.235.6121
Financial Aid	815.599.3559
Gifts, bequests	815.599.3413
Business Institute	815.232.1362
HCC West	815.858.2564
HCC West fax	815.858.2603

Campus Hours

Office hours	8 a.m. to 5 p.m. (Monday through Friday)
Classes	8 a.m. to 10 p.m. (Monday through Friday)
Information desk hours	7:30 a.m. to 9 p.m. (Monday through Thursday)
	7:30 a.m. to 5 p.m. (Friday)

Summer hours may vary

Published by

Highland Community College, Office of Community Relations
Catalog Volume #33, Fall 2006

Highland Community College
2998 West Pearl City Road
Freeport, Illinois 61032
www.highland.edu

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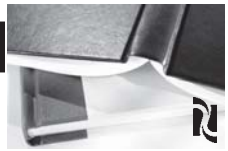


Introduction to the Catalog

The Catalog Contents

This catalog will enable prospective students and others to become familiar with Highland Community College, including the College's mission statement and objectives; the academic and personal opportunities available for students; and the College's policies, procedures, requirements, and regulations.

Accuracy of Catalog Information

The information in this catalog is subject to change by the Highland Community College Board of Trustees, and its inclusion in this document is not intended to and does not constitute a contract. The College reserves the right to make changes as necessary to the information contained in this catalog.

Catalog Information

Individuals with questions about information presented in this catalog are encouraged to call the college at 815.235.6121.

Student's Responsibility

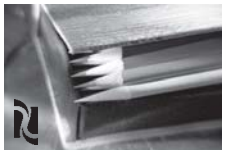
It is the responsibility of the student to be aware of the information in this catalog. The student is also responsible for keeping informed as additions and corrections are announced via the various school media.

Non-Discrimination Statement

Highland Community College admits students, awards financial aid, and extends employment to qualified individuals without regard to race, creed, religion, sex, color, handicap, or national origin. Applications from qualified females, persons with disabilities, and minority group members will be accorded equal consideration for employment, admission, and awards based on academic and/or other merits as compared with all other applications.

It is the policy of Highland Community College with respect to employment, student admission, and financial aid practices to fully comply with all applicable existing federal, state, and local governmental regulations requiring nondiscrimination so far as including, but not limited to, Executive Order 11245, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and Americans with Disabilities Act.

Inquiries concerning compliance with any of the foregoing may be directed to the Human Resources Office, Highland Community College, 2998 West Pearl City Road, Freeport, IL, 61032, Telephone: 815/599-3402; or to the Director, Office of Civil Rights, Department of Health, Education, and Welfare, Washington, DC 20201.



Academic Calendar 2006-2009

Fall 2006

April 10, 2006 - August 18, 2006	Registration for Fall, 2006
August 17	Faculty returns to campus
August 21	Classes begin
August 21 - 25	Class changes permitted
September 1	Last day to drop, no record/refund
September 4	Holiday • Labor Day
October 9	Holiday • Columbus Day
October 13	Midterm
October 23, 2006 - January 12, 2007	Registration for Spring, 2007
November 22	Last day to withdraw "W"
November 23 & 24	Holiday • Thanksgiving
December 11, 2006 - June 7, 2007	Registration for Summer, 2007
December 11 - 15	Final exams
December 15	End of Fall term
December 23 - 31	Campus closed
December 25, 26	Holidays

Spring 2007

October 23, 2006 - January 12, 2007	Registration for Spring, 2007
January 1	Holiday • New Year's Day
January 11	Faculty returns to campus
January 15	Holiday • Martin Luther King, Jr. Birthday
January 16	Classes begin
January 16 - 22	Class changes permitted
January 26	Last day to drop, no record/refund
February 12	Holiday • Lincoln's Birthday
March 9	Midterm
March 19 - 23	Academic Holidays • Spring vacation
April 16, 2007 - August 17, 2007	Registration for Fall, 2007
April 23	Last day to withdraw "W"
May 10, 11, 14, 15, & 16	Final exams
May 18	End of Spring term
May 19	Commencement
May 19	Final Day instructors

Pre-Summer Session 2007

May 21	Classes begin, Last day to drop, no record/refund
May 28	Holiday • Memorial Day
June 7	End of session

Summer 2007

December 11, 2006 - June 7, 2007 ..... Registration for Summer, 2007
June 11 ..... Classes begin
June 11 - 13 ..... Class changes permitted
June 14 ..... Last day to drop, no record/refund
July 4 ..... Holiday • Fourth of July
July 5 ..... Midterm
July 26 ..... Last day to withdraw "W"
August 2 ..... End of Summer session

Fall 2007

April 16, 2007 - August 17, 2007 ..... Registration for Fall, 2007
August 16 ..... Faculty returns to campus
August 20 ..... Classes begin
August 20 -24 ..... Class changes permitted
August 31 ..... Last day to drop, no record/refund
September 3 ..... Holiday • Labor Day
October 8 ..... Holiday • Columbus Day
October 12 ..... Midterm
October 22, 2007 - January 11, 2008. ..... Registration for Spring, 2008
November 17 ..... Last day to withdraw "W"
November 22 & 23 ..... Holiday • Thanksgiving
December 10, 2007 - June 5, 2008 ..... Registration for Summer, 2008
December 10 - 14 ..... Final exams
December 14 ..... End of Fall term
December 24 - 31 ..... Campus closed
December 24, 25 ..... Holidays

Spring 2008

October 22, 2007 - January 11, 2008 ..... Registration for Spring, 2008
January 1 ..... Holiday • New Year's Day
January 10 ..... Faculty returns to campus
January 14. ..... Classes begin
January 14 -18 ..... Class changes permitted
January 21 ..... Holiday • Martin Luther King, Jr. Birthday
January 25 ..... Last day to drop, no record/refund
February 12 ..... Holiday • Lincoln's Birthday
March 7 ..... Midterm
March 17 - 21 ..... Academic Holidays • Spring vacation
April 14, 2008 - August 15, 2008. ..... Registration for Fall, 2008
April 22 ..... Last day to withdraw "W"
May 8, 9, 12, 13, & 14 ..... Final exams
May 16 ..... End of Spring term
May 17 ..... Commencement
May 17 ..... Final Day instruc

Pre-Summer Session 2008

May 19 ..... Classes begin, Last day to drop, no record/refund
May 26 ..... Holiday • Memorial Day
June 5 ..... End of session

Summer 2008

December 10, 2007 - June 5, 2008 ..... Registration for Summer, 2008
June 9 ..... Classes begin
June 9 - 11 ..... Class changes permitted
June 12 ..... Last day to drop, no record/refund
July 3 ..... Midterm
July 3 ..... Holiday • Fourth of July Observed
July 24 ..... Last day to withdraw "W"
July 31 ..... End of Summer session

Fall 2008

April 14, 2008 - August 15, 2008 ..... Registration for Fall, 2008
August 14 ..... Faculty returns to campus
August 18 ..... Classes begin
August 18 -22 ..... Class changes permitted
August 28 ..... Last day to drop, no record/refund
September 1 ..... Holiday • Labor Day
October 10 ..... Midterm
October 13 ..... Holiday • Columbus Day
October 27, 2008 - January 9, 2009. ..... Registration for Spring, 2009
November 21 ..... Last day to withdraw "W"
November 27 & 28 ..... Holiday • Thanksgiving
December 8, 2008 - June 4, 2009 ..... Registration for Summer, 2009
December 8 - 12 ..... Final exams
December 12 ..... End of Fall term
December 23 - 31. ..... Campus closed
December 25, 26 ..... Holidays

Spring 2009

October 27, 2008 - January 9, 2009 ..... Registration for Spring, 2009
January 1-2 ..... Holidays • New Year's
January 8 ..... Faculty returns to campus
January 12 ..... Classes begin
January 19 ..... Holiday •o Martin Luther King, Jr. Birthday
January 12 - 16 ..... Class changes permitted
January 30 ..... Last day to drop, no record/refund
February 12 ..... Holiday • Lincoln's Birthday
March 6 ..... Midterm
March 16 - 20 ..... Academic Holidays • Spring vacation
April 13, 2009 - August 14, 2009 ..... Registration for Fall, 2009
April 26 ..... Last day to withdraw "W"
May 7, 8, 11, 12, & 13 ..... Final exams
May 15 ..... End of Spring term
May 16 ..... Commencement
May 16 ..... Final Day instructors

Pre-Summer Session 2009

May 18 ..... Classes begin, Last day to drop, no record/refund
May 25 ..... Holiday • Memorial Day
June 4 ..... End of session

Summer 2009

December 8, 2008 - June 4, 2009 ..... Registration for Summer, 2009
June 8 ..... Classes begin
June 8 -10 ..... Class changes permitted
June 11 ..... Last day to drop, no record/refund
July 2 ..... Midterm
July 6 ..... Holiday • Fourth of July Observed
July 24 ..... Last day to withdraw "W"
July 30 ..... End of Summer session

The College

History

Highland Community College is a two-year co-educational public community college maintained by the Board of Trustees of Illinois Community College District No. 519 under the coordination of the Illinois Community College Board and the Illinois Board of Higher Education. The College was brought into existence by the people of northwestern Illinois at a public referendum on October 1, 1966.

Freeport Community College, which was assimilated by the new district, was established by public referendum in November 1961, and opened its doors in September 1962. In June 1967, Freeport Community College became a part of the new Highland Community College. The Highland Community College district includes the high school districts of Dakota, East Dubuque, Eastland, Forrestville Valley, Freeport, Galena, Lena-Winslow, Orangeville, Oregon (Mt. Morris), Pearl City, River Ridge, Scales Mound, Stockton, Warren, and West Carroll (Mt. Carroll and Savanna).

Mission Statement

Highland Community College is committed to shaping the future of our communities by providing quality education and learning opportunities through programs and services that encourage the personal and professional growth of the people of northwestern Illinois. This mission is carried out by:

- Providing educational preparation to students for transfer to a baccalaureate or professional, degree-granting institution.
- Providing instruction to enable students to complete specific vocational degrees and certificates.
- Providing occupational training, retraining, and/or upgrading of skills to meet individual, local, and state needs.
- Providing developmental and general education designed to meet individual educational goals.
- Providing community education designed to meet local cultural needs and encourage lifelong learning.
- Providing opportunities that enhance cultural understanding through international education.
- Providing a range of student support services that recognizes and supports the educational goals and needs of a diverse student population.
- Supporting economic development through partnerships with business, industry, chambers of commerce, units of local government, and other educational institutions.
- Providing community access as an open-door institution to all college services and facilities.

Core Values

Highland Community College is actively committed to the core values of integrity, compassion and respect.

Accreditation, Institutional Memberships, and Approval

Accreditation

Highland Community College is recognized by the Illinois Community College Board and accredited by the Higher Learning Commission, and a member of the North Central Association. Highland Community College has also been a recipient of a Level I - Commitment to Excellence award from the Lincoln Foundation for Business Excellence and an Excellence in Accountability award from the Illinois Community College Board.

Institutional Memberships

Highland Community College is a member of the following national organizations:

- American Association of Community Colleges
- American Council on Education
- Association of Community College Trustees
- College and University Personnel Association
- Council for Higher Education Accreditation
- Greenleaf Center for Servant-Leadership
- National Association of College and University Business Officers
- National Association of College Stores
- National Council for Marketing and Public Relations
- National Council for Staff, Program, and Organizational Development
- National Junior College Athletic Association
- North Central Association
- Society for Human Resource Management

Highland Community College is also a member of the following state-wide organizations:

- Arrowhead Athletic Conference
- Illinois Association of College Stores
- Illinois Community College Admissions and Records Officers Organization
- Illinois Community College Economic/Workforce Development Association
- Illinois Community College Presidents Council
- Illinois Community College Trustees Association
- Illinois Council of Community College Administrators

Approved by:

- Illinois State Board of Education
- Illinois State Scholarship Commission
- Illinois Student Assistance Commission

Highland Community College Foundation

The Highland Community College Foundation was established in 1962 as a charitable, not-for-profit 501(c)3 corporation that exists solely for the purpose of raising funds in support of Highland Community College.

Gifts to the HCC Foundation have benefited the College and its students for over 40 years. Gifts help in many ways:

- Endowed teaching chairs
- Purchases and upgrades of computers and software
- Scholarship support
- Publication of the award-winning Prairie Wind literary magazine
- Faculty and staff professional development
- Student worker salaries
- Furnishings, equipment, and supplies
- New buildings on campus with the help of community or matching-fund programs.

If you are interested in making a charitable, tax-deductible gift to the HCC Foundation, visit our web site www.highlandgift.org or contact:

Susan Atherton, Executive Director
HCC Foundation
2998 West Pearl City Road, Freeport, Illinois 61032
815/599-3406

Scholarship applications are available at www.highland.edu

The Student Body

Highland Community College serves a district population of 91,000 from the northwest Illinois counties of Carroll, Jo Daviess, Ogle, and Stephenson. The college grants admission to students from a wide range of backgrounds, without regard to race, creed, sex, sexual orientation, color, handicap, or national origin. Sixty percent of the students are women, 40 percent are men. College students range in age from 16 to 86, with an average age of 32. The College serves an estimated 6,000 students each year, including more than 1,000 students enrolled in Community Education and Business Institute courses, and 700 students enrolled in Adult Education courses.

A large number of area high school graduates enter the College for full-time studies. Many of these students continue at a four-year institution after completing the first two years at Highland, and the success of these Highland transfer students has been very good. Others are preparing for immediate employment after completing a planned program of education. Still others take advantage of the wide variety of coursework available through Highland's Business Institute and Community Education departments.

Student Preparedness

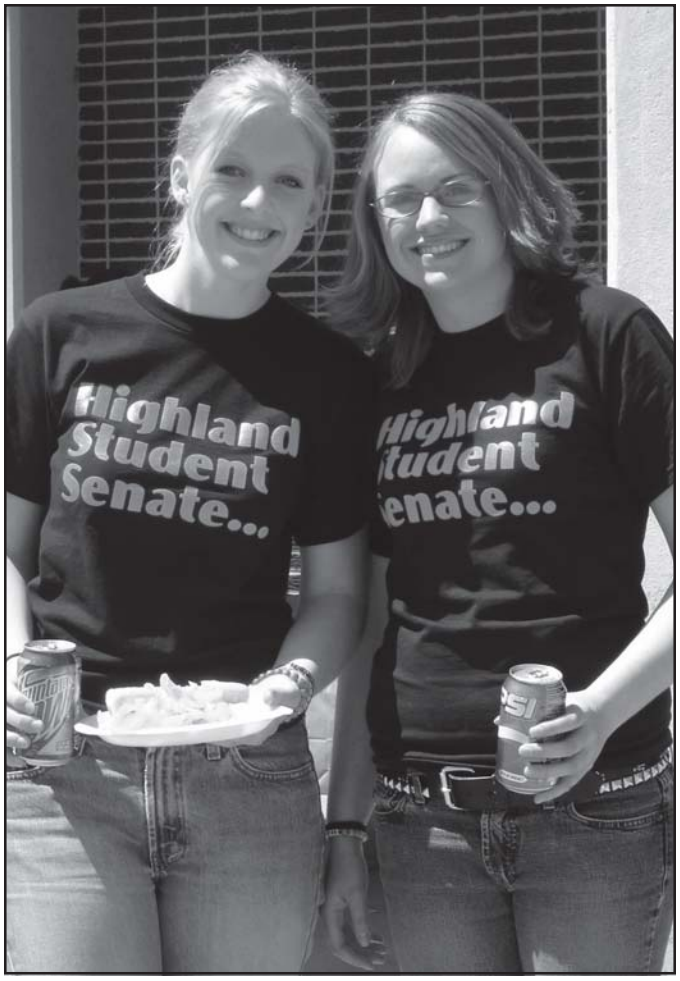
According to the Higher Learning Commission, Highland Community College's accrediting body, higher education does more than train or certify skills. Higher education requires students not only to master a rigorous body of knowledge but also to conceptualize, analyze, and integrate. Additionally, higher education requires students to use their intellect, stimulates students to examine their values, teaches students the importance of considering divergent views as expressed in research, and challenges students to engage each other and their teachers in a free exchange of ideas.

The general education core curriculum has been developed by the Illinois Community College system to satisfy the breadth of study expected of college graduates. It is a core body of knowledge that all college educated people share. It includes the skills and knowledge that are the basis of a college education. Students at Highland Community College are encouraged to embrace the challenge of learning in the arts and sciences as preparation for success in their declared majors.

Highland Community College is committed to quality in its transfer and occupational programs. In order to be successful in any of Highland's programs, students need to demonstrate college level skills in reading, writing, mathematics, and critical thinking. Developmental courses and academic support programs are in place to help students reach the levels necessary to succeed in the coursework of their choice.

HCC West

Highland Community College also operates a center, Highland West, located on Route 20 in Elizabeth, Illinois. Highland West ensures opportunities for daytime classes in Jo Daviess County. The facility, complete with science labs, a stage, and gymnasium allows the College to gradually increase the number and range of offerings in the western part of the College district. Students can complete all of the general education requirements for an associate's degree at HCC West. Additionally. Dual enrollment, Community Education and Adult Education classes are available at this location. Partners for Employment staff an office at the center providing employment services for the first time in Jo Daviess County. The College also offers classes in Savanna.



Admissions & Registration

Admissions Eligibility

College Degree and Certificate Program Courses

See the "Academic Programs" section of this catalog, beginning on page 43, for a full description of Highland's degree and certificate programs. Eligibility for admission to these programs is outlined below. Call the Office of Admissions and Records at 815/599-3414 regarding admissions questions.

General Admissions

All high school graduates and GED completers are eligible for admission to Highland. Non-graduates age 16 or older may be eligible for admission if he/she can demonstrate the ability to benefit from programs/courses offered by the College. If his/her high school class has not yet graduated, a properly completed Authorization to Register for Classes Form, obtained from and signed by a guidance counselor or principal, must be presented.

Home School Student Admissions

Home school current students and graduates have the same benefits and fall under the same guidelines as general admission students. The home school graduate needs to submit an official transcript containing courses, grades, years attended, graduation completion year and date, and proof of passing federal and state constitution tests to the Dean of Enrollment Services.

Home school students may take college level courses to supplement their home schooling as long as ACT scores or HCC placement test results indicate "Ability to Benefit."

Selective Admissions

Students who want to be admitted to a baccalaureate-oriented (transfer) major must demonstrate one of the following:

1.) Completion of these high school courses:
   - A) English - 4 units (emphasizing writing, literature, and communications)
   - B) Social Studies - 2 units (emphasizing history and government)
   - C) Mathematics - 3 units (algebra, geometry, trigonometry, computer science)
   - D) Sciences - 2 units (laboratory sciences)
   - E) Electives - 4 units (foreign language, art, music, and/or units from A - D above. Two units may be from vocational course work).

2.) Completion of GED or "Ability to Benefit Exam."

3.) Alternatives to 1) or 2) :
   - A) Demonstrate readiness to enroll in English 121 and Math 164 or higher by completing appropriate prerequisite courses or by meeting HCC placement criteria, and by having earned a grade of "C" or better in one college lab science and one college social science (history or political science) class.
   - B) Placement into English 121 and Math 164 or higher using college placement criteria and completion of a college social studies (history or political science) class and one lab science with grade of "C" or better.
   - C) Age 21 or older and completion of at least 24 baccalaureate-oriented hours with a GPA (grade point average) of 2.0 or better.

Limited Enrollment Programs

Students who want to be admitted to Highland's Nursing programs (Associate Degree in Nursing or Practical Nursing Certificate) or Cosmetology certificate program need to satisfy other admissions requirements. See the "Academic Programs" section of this catalog for further information about admission to these programs. Students must complete a special application process and meet with the Director of Nursing to be officially accepted into the nursing programs.

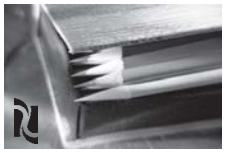
High School Student "Early Admission"

To be admitted, a student must be at least 16 years of age and present to the Office of Admissions and Records a properly completed Authorization to Register for Classes Form, available through high school guidance offices or Highland's Office of Admissions and Records.

International Student Admissions

An "international student" is defined as a person who is a citizen of a country other than the United States, has a Visa for educational purposes, and intends to return to his/her own country upon completion of educational goals.

International students may be admitted to Highland if they have successfully completed a minimum of 12 years of primary and secondary schooling, score of 500 paper-based exam, 173 computer-based exam or higher on a TOEFL exam (or equivalent), and verify financial support. Prospective students must contact the Dean of Enrollment Services and must be able to meet all applicable student visa regulations before they can be enrolled.



Highland Business Institute Courses

Persons interested in benefiting from coursework offered through Highland's Business Institute are not required to be high school graduates or GED completers unless there are prerequisite skill levels established to ensure that the students will benefit from such training. For a description of the type of coursework offered through the Highland Business Institute, see page 36.

Admissions Procedures

Academic Placement Test

All students seeking a degree or certificate and those who have completed 12 credit hours of classes that may apply to a degree or certificate are required to take Highland's academic assessment placement test. Also, any students wishing to enroll in mathematics, English, and some business courses are required to take a placement test.

Current ACT scores may exempt students from certain components of the placement tests.

Academic placement tests are administered through the Learning Assistance Center (LAC) and are administered at scheduled times each semester. Call the LAC at 815/599-3577 for dates and times or with questions about ACT exemptions.

Full-time (12 or more credits) • First-time Students

1.) Complete and submit a Highland Community College Admissions Application. This application is available at area high school guidance offices, the Office of Admissions and Records at Highland, or online at www.highland.edu.
2.) Submit high school transcripts (or GED certification).
3.) Submit ACT scores. Although this is not a requirement for general admission, it is strongly recommended for placement assistance.
4.) Take Highland's academic placement test (see above).
5.) Register for classes through an academic advisor. Registration appointments may be made by calling 815/599-3573.

Part-time (11 or less credits) • First-time Students

1.) Complete a Highland Community College Admissions Application for the semester in which enrollment is desired. This includes students enrolling in Highland Business Institute courses.
2.) Take the Highland academic placement test if planning to register for a math, English composition, or business course (see above).
3.) Register for classes through an academic advisor, by mail, or in person at the Office of Admissions and Records. Students registering by mail or in person should be aware of course prerequisites and academic placement testing requirements as listed in the course description section of this catalog.

Full/Part-time • Readmitted Students

(Students who attended HCC before, but have not been at HCC for at least three years.)

1.) If the student is a former Highland student who has not attended for three years, complete an Admissions application as outlined for first-time students.
2.) Take the academic placement test if necessary.
3.) Furnish high school transcripts. This may be required again if the student has been absent from Highland for more than three years.
4.) Register for classes as a full-time or part-time student.

Full-time/Part-time • Continuing Students

Students may register for courses by completing a Student Self-Scheduling form. This form is available through the Office of Admissions and Records or the Student Resources Center . Students may schedule appointments with their advisor by calling 815/599-3573.

Transfer Students

(Persons who have most recently attended college at another institution.)

1.) Complete an Admissions application.
2.) Have transfer credits evaluated by the Dean of Enrollment Services. Take the academic placement test, if required. Depending on course work completed at other schools, transfer students may or may not have to take the test. Please check with an advisor or the Dean of Enrollment Services at the time of application.
3.) Register for courses through an academic advisor for the first semester.

International Students

1.) All international students must present the required credentials before an I-20 is issued.
Complete and submit the International Student Information packet available from the Vice President of Academic & Student Services secretary's office.
2.) Submit a properly completed Statement of Student Financial Responsibility along with certified letter showing proof of total financial support while attending Highland Community College..
3.) Submit a current, official, TOEFL Examinee's Score Record showing a "total score" of 500 or higher paper-based, or 173 computer based.
4.) Submit official secondary-school transcripts and college transcripts (if applicable) in English. Assessment testing may be required.
5. Applications must be submitted a minimum of 30 days prior to the start of the semester.
6.) All International students are responsible for all school tuition, fees, housing, and living costs.
7.) All International students must present a valid passport before admission is considered final.
8.) All International students must carry a minimum of 12 credit hours each semester exclusive of summer.
9.) International students must arrange their own housing and transportation since Highland Community College has no dormitories. We offer assistance in finding housing and transportation, but arrangements are the responsibility of the student and are expected to be complete prior to the student's enrollment
10.) Follow additional procedures listed under full-time students.

Determination of Residency

In-District

In-District tuition is paid by individuals who meet the residency requirements (see below) and live in the high school districts of Dakota, East Dubuque, Eastland, Forrestville Valley, Freeport, Galena, Lena-Winslow, Mt. Carroll, Orangeville, Oregon, Pearl City, River Ridge, Savanna, Scales Mound, Stockton, and Warren.

Any student who has occupied a dwelling within the district for at least 30 days immediately prior to the scheduled beginning of classes is considered in-district. Proof of residency will be any two of the five following criteria:

1.) Living with parents whose legal residence is within Highland's district
2.) Current driver's license
3.) Tax, utility, or rent receipt
4.) Voter's registration
5.) Other verification of residency

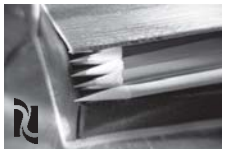
Students may not attain In-District status simply by attending classes at Highland for 30 days or more.

Students who move into the district for reasons other than attending Highland shall be exempt from the 30-day requirement if they demonstrate a verifiable interest in establishing permanent residency. Verification will consist of employment documentation, home purchase documents, and/or other legal documents.

Out-of-District

Any student who has occupied a dwelling within the State of Illinois, but outside of Highland's district for at least 30 days, immediately prior to the scheduled beginning of classes shall be classified as an out-of-district student. Proof of state residency will be the same as in-district, but will extend to the rest of the State of Illinois outside of Highland's district.

Students may not attain in-state, out-of-district status simply by attending a community college for 30 days or more. Students demonstrating verifiable interest in establishing permanent state residency shall be exempt from the 30-day requirement.



Out-of-State
Any student whose legal residence is outside the State of Illinois. This classification includes international and/or foreign students.

Exceptions
Under certain circumstances, exceptions to residency rules may be granted. Contact the Dean of Enrollment Services if a student's residency is in question.

Registration For Classes

First-time/Full-time Students
Students must register through an academic advisor. Registration appointments may be made by calling 815/599-3573.

First-time/Part-time Students
Students may register through an academic advisor, by mail, or in person at the Office of Admissions and Records. Students registering by mail or in person should be aware of course prerequisites and assessment testing requirements. Also, students mailing in registrations need to be aware that they are not officially enrolled in a class until their information is entered on the HCC computer system.

Continuing/Full-time/Part-time Students
Students may register by completing a Student Self-Scheduling form. This form is available through the Office of Admissions and Records and advising offices. Students may schedule registration appointments by calling 815/599-3573.

Transfer Students
Transfer students should register through an academic advisor for their first semester at HCC.

Course Registration Information

Registration Dates
Students may register for any given semester during the dates that are published in the college academic calendar in the front of this catalog.

Semester Class Schedules
The College reserves the right to select from the courses listed in this catalog that can be offered during any term. A printed class schedule listing the courses offered, days, hours of each class meeting, laboratory times, instructor names, and room assignments will be published as early as possible prior to the opening of each session. The College reserves the right to change the schedule if necessary. Copies are available from the Office of Admissions and Records.

Student Schedule Changes
Schedule changes are allowed during the first week of classes in each regular semester. Any revision in the student's schedule after registration must be processed on the Program Change Form that is available from an academic advisor or the Office of Admissions and Records. (The Office of Admissions and Records must receive the completed form before the change becomes valid.) In the regular semester, no course may be added after the first five days of classes without instructor permission. (Classes can be dropped with a full refund during the first two weeks of classes).

Class-Level Change
Upon recommendation of the instructors of both sections involved and with approval of the division's dean, a student may be transferred from one level of a course to another during the first four weeks of a semester.

Withdrawal From a Course

A student may withdraw from a course or courses by completing the following procedures in accordance with deadline dates published in this catalog or in other College publications. Unique courses and those with abnormal time frames may have alternate dates and procedures established by the Dean of Enrollment Services.

No Record/Drop Date
Courses can be dropped "No Record" during the first ten academic days of a regular semester using the forms available at the Office of Admissions and Records. No official record of enrollment in the class will be maintained. All tuition paid will be refunded during the "No Record" drop period. After this period, no refunds are granted. Students are responsible for ensuring that all paperwork is competed if they are dropping or changing classes.

Withdrawal

Student withdrawal from one or more courses after the "No Record" drop date and prior to the last ten academic days before the first day of final exams (as published in the official College calendar) will be recorded as a "W." This grade is non-punitive (i.e., no grade points or semester hours will be included in the computation of the student's grade point average.) However, there are financial aid implications due to withdrawals. Proportional adjustments will be made for short-term classes.

An instructor may initiate the withdrawal of a student from a course if the student fails to attend classes and/or perform in a manner that the instructor deems necessary for successful completion of the course.

Tuition and Fees

Highland Community College charges tuition and a technology fee per semester hour taken. Some courses charge a lab or materials fee in addition to tuition. These fees are listed in the course schedules each semester.

Tuition Categories:	***Current Tuition Rates:
1.) In-District Tuition	$62.00/credit hour
2.) Out-of-District Tuition	$111.00/credit hour
3.) Out-of-District/In-District Tuition**	$62.00/credit hour
4.) Out-of-State Tuition	$111.00/credit hour
5.) Out-of-State/In-District Tuition**	$62.00/credit hour
7.) Senior Citizen Tuition 61-64*	$47.00/credit hour
8.) Senior Citizen 65+ Tuition*	Waived per note below

*** **The current tuition rates listed above are as of the fall semester 2005. Current tuition rates are subject to change per semester. Updated tuition rates can also be found in each semester bulletin.**

* Senior citizens are allowed to register at the senior citizen's rate on a "space available" basis. To qualify, senior citizens must provide homestead exemption certification and pay lab and other applicable fees. Courses listed with a "course fee" do not qualify for the tuition waiver as all course fees must be paid by the participant. The two categories of Senior Citizen Tuition are 61-to-64 (reduced tuition) and 65+ (waived tuition).

** Rate applies to students 1) living Out-of-District/Out-of-State who work in the HCC district for 35 hours a week or more on a regular basis, or 2) are an athlete covered by scholarship or are enrolled in a cooperative agreement program not offered at their local community college.

Fees

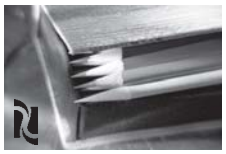
- Returned check fee: $20.00 per check
- Technology fee: $5.00 per credit hour for billable courses
- Graduation fee: $20.00 per student
- Proficiency Fee: $25.00 plus $25.00 per credit hour

Tax Credits

Taxpayers may claim one, or in some cases two, tax credits for expenses they pay for post-secondary education for themselves and their dependent children. These tax credits can directly reduce the amount of federal income tax. The Hope Scholarship Credit is available on a per-student basis for the first two years of post-secondary education, while the Lifetime Learning Credit applies on a tax-return basis and covers a broader time frame and range of educational courses. Education expenses paid for with tax-free grants, scholarships, and employer-education assistance are not eligible for either tax credit. Education expenses paid with loans are eligible for these tax credits. Taxpayers need to consult current IRS rules and/or their tax advisor for individual eligibility.

Chargeback Tuition & Cooperative Agreements

Students living in the Highland Community College district who wish to pursue a degree or certificate that is not offered at Highland, but is offered at another Illinois community college, may apply to the Vice President of Academic and Student Services for a tuition chargeback. The chargeback allows the student to pay the "In-District" tuition rate at the other community college. Students should contact the Highland Office of Admissions and Records for information on cooperative agreements with area community colleges where a chargeback is not required.



Tuition Payment Options

#1: Payment in Full at Registration

Tuition and fees are due within 5 business days of registration. Payment may be made on-line via credit card or check. Payments are also accepted at the cashier's office in cash, by check, or charged on Visa, MasterCard, or Discover.

#2: Deferred Payment Plan

Students may defer payment of tuition and course fees until the semester due date by paying a $25 per semester nonrefundable, deferred payment fee. This fee is an additional cost and will not be applied toward the cost of tuition and course fees. Under this option, payments may be made in any amount, at any time, with tuition and fees due in full on the semester due date. A $10 late fee will be charged if payment in full has not been made by the semester due date.

#3: Payment by Employer or Governmental Sources

Students whose tuition and course fees are paid by his/her employer must bring written verification from the employer or sources of intent to pay for the class at the time of registration. The employer will be billed to the extent outlined in the authorization letter. Students are required to pay any tuition or fees not covered by the employer or governmental source.

#4: Payment through Financial Aid

Students whose tuition and course fees are paid in part or full by financial aid may register for classes subject to verification of their financial aid awards. Students are responsible for providing accurate information and any errors or omissions may jeopardize or delay the awarding of financial aid. Students must pay for any tuition and fees not covered by financial aid. And, students are responsible for tuition, fees, and bookstore charges until Financial Aid is officially awarded.

Tuition Refund Policy

Regular Semester

Students who "No-Record" drop classes anytime during the first ten days of the semester will receive a 100 percent tuition refund. **After this deadline, no refunds will be given.**

Regular Summer Session

Students who "No-Record" drop classes anytime during the first four days of the summer session will receive a 100 percent tuition refund.

Other Sessions

Students who enroll in courses that are less than eight weeks in length (this includes continuing education courses) will receive "No-Record" drops and refunds based on a formula using the number of class sessions. Students should consult with the Office of Admissions and Records for specific dates. **After the specified date, no refunds are given.**

Financial Aid

Eligibility

Financial aid at Highland Community College is designed to supplement student and family resources in order to meet the expenses of attending college. We believe that a lack of finances should not keep people from attending Highland Community College. Contact the Office of Financial Aid at 815/599-3519 with any questions.

The student must fulfill the following requirements to participate in financial aid programs:

1.) Be a citizen of the United States or a permanent resident.
2.) Be enrolled at HCC for at least three hours per semester (for most financial aid programs).
3.) Be enrolled in an approved degree or program requiring 16 semester hours or more.
4.) Maintain satisfactory academic progress toward a certificate or degree. (Standards of Satisfactory Academic Progress Policy Statement as it pertains to students receiving Financial Aid is available at the Financial Aid Office.)
5.) Be a high school graduate or have earned a GED certificate or passed an Ability-to-Benefit (ATB) test.

Types of Aid

Highland offers three types of financial aid to students: grants and scholarships, loans, and employment. Grants and scholarships are gift aid or "free" money. Loans must be repaid at some time in the future. Employment offers students an opportunity to work on campus and earn a portion of their educational expenses. While most programs require that the student demonstrate financial need, these programs identified with an asterisk (*) are not generally based on financial need.

Federal programs available at Highland:

- Pell Grant (gift aid)
- Supplemental Educational Opportunity Grant (gift aid)
- College Work-Study Program (employment)
- Federal Family Education Loan Programs
- VA - G.I. Bill, VEEP, V.A. Vocational Rehabilitation*

State programs available at Highland:

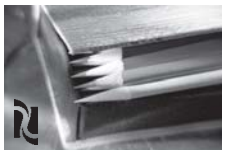
- MAP - Illinois Student Assistance Commission Monetary Award Program (gift aid)
- IIA - Silas Purnell Illinois Initiative for Access Program (gift aid)
- IVG - Illinois Veterans' Grant (gift aid, certain criteria must be fulfilled)*
- ING - Illinois National Guard Grant (gift aid)*

Campus-based programs available at Highland:

- Student Work Program (employment)*
- HCCFS - Highland Community College Foundation Scholarships:
  - Competitive and financial need-based scholarships
  - Contact the Financial Aid office or high school counselor.
  - HCC scholarship applications are also available on the College web site at www.highland.edu)
  - Excellence Scholarships (contact a high school counselor)

How To Apply

Students must apply each year for most financial aid. The Free Application for Federal Student Aid (FAFSA) must be submitted to the Department of Education, Federal Government for processing. Contact the Financial Aid Office concerning federal and state processing deadlines. In addition to the Highland Financial Aid data form, students must also complete the Highland Financial Aid Authorization form and Highland's Standards of Satisfactory Academic Progress Policy and submit them to the financial aid office.



Veterans Educational Benefits

Available Benefits

Many of Highland Community College's programs are approved for the training of veterans and war orphans under Title 38, U.S. Code, chapters 30, 31, 32, 34, 35, and 1606. It is also an approved training facility for members of the U.S. Military Reserve and Illinois National Guard.

Veterans may apply for educational benefits at the Office of Financial Aid. The VA will provide financial assistance to veterans to the extent that the credits for which the veteran is enrolled are applicable toward an approved degree or certificate program. Further, the veteran must make continued and satisfactory progress toward the degree or certificate. Veterans are responsible for notifying the College and the VA of reduction in their course load.

The Illinois Veterans Grant is available, in addition to the G.I. Bill, to veterans who:

1.) Served in the armed forces one year or more,
2.) Were residents of Illinois prior to military service for at least six months,
3.) Returned to Illinois within at least six months after discharge, and
4.) Have other than a dishonorable discharge.

Veterans should apply at the Office of Financial Aid prior to enrollment.

Students who have completed one year or more of military service including basic training may, upon petition to the Dean of Enrollment Services, receive credit for a maximum of four activity courses in physical education.

Standard of Progress for VA Certification Purposes

The last date of attendance and the exact date of reduction in rate of pursuit shall be considered to be:

1.) The date that instructors report as the last day of pursuit as determined by:
   A) The last activity date reflected in the instructor's record,
   B) The date the last papers were submitted,
   C) The date of last examination completed,
   OR
2.) The student's reasonable statement of last date of attendance,
   OR
3.) If earlier than the preceding dates, the effective date of an instructor-initiated withdrawal or the date the student officially withdraws from classes,
   OR
4.) The last day of final exams.

The exact date on which the student increased the rate of pursuit shall be the official date of registration for the course or courses.

The Veterans' Administration shall be notified within a reasonable period of time - normally within one week of interruption, termination, or change in the veteran's rate of pursuit. Notification shall be via VA Form 22-1999b. In order to graduate in a program, the veteran must have earned a grade point average of 2.0 or higher and must successfully complete the requirements, subject to approved substitutions and waivers, for the degree or certificate as listed in the current Highland catalog.

To maintain "Financial Aid Satisfactory Academic Progress" where two or more courses are undertaken, the veteran must successfully complete more than one-half of the enrollment each semester and 67% cumulatively in order to be determined to have made satisfactory academic progress, except in extenuating circumstances (i.e., illness, personal or family reasons, etc.). Review for this item will be made at the end of each regular semester.

Student veterans must be in "Academic Good Standing" as described on page 29 of this catalog in order to be considered as making good satisfactory progress toward timely graduation. A one semester probationary period is allowed, except for a student failing and/or withdrawing from all subjects taken.

Student Support Services

Academic Support Services

Learning Assistance Center

The Learning Assistance Center (LAC) promotes the academic success of all Highland students by providing academic support, free of charge, to any student enrolled in any of the courses at HCC. The peer-tutoring program offers individual content tutoring by students who have been recommended by Highland's instructors. Study groups and review sessions are also provided at student request. Staff members can provide students with diagnostic information about skill levels and assist individual students with study skills.

To successfully use the Learning Assistance Center's services, students should check the schedule for walk-in tutoring at the beginning of each semester. Much of the tutoring is provided on an appointment basis. There is a request form for services not already on the schedule.

The LAC is located on the first floor of the Marvin-Burt Liberal Arts Center, Building M. Call 815/599- 3577 for further information.

Students with Disabilities

ADA Services provides academic support services (disability management advising, sign language and oral interpreting, alternative testing, reader/taping services, access to large print and Braille materials/electronic text, mobility assistance and access to adaptive technology); disability-related program access services (registration and financial aid assistance, liaison to college, federal, and state and community agencies, academic accommodations, physical access evaluation, advocacy, and in-service training for faculty and staff); and information and referral services. Students are encouraged to contact the ADA Coordinator early in the registration process to submit documentation and arrange for services. Students may also wish to contact their local Division of Vocational Rehabilitation office (for Carroll, Jo Daviess and Stephenson Counties: 815/233-5904).

For assistance or more information, contact the Learning Assistance Center for an appointment by calling 815/599-3582 (voice or relay).

Freshman Success

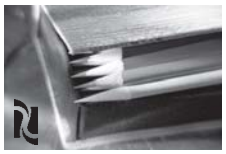
The freshmen success program is a two-credit, tuition-free course, College Success Skills, that is designed to help students develop the academic and personal strengths necessary for success in college. Study skills, critical thinking skills, and information about campus resources are presented in a context that addresses the diversity of the student population on college campuses today.

All first-time, full-time students are expected to take College Success Skills (LIBS199). Course content includes note taking, test-taking strategies, time management, goal setting, career choice, academic advising, wellness issues, and social issues central to campus life. Call 815/599-3531 for further information.

Clarence Mitchell Library/ Instructional Materials Center

The library is located on the second floor of the Marvin-Burt Liberal Arts Center (Building M) and is open every day classes are in session and many Saturdays during the school year. Staff is available to help students, faculty, and any district resident find the information they need for school, business, or personal projects. Highland's library has more than 56,000 books, over 250 magazine subscriptions, and several national and local newspapers. The library has equipment to view videotapes and DVDs and to listen to audiocassettes and compact discs. Our collection also includes a large selection of audio books, movies and compact discs.

A large computer area offers workstations connected to the college network for access to e-mail and the Internet. For those who wish to use their own laptop, a public "hotspot" is available in the library building. Students are issued free accounts. Software available includes Microsoft Word, Excel, PowerPoint, and other individual packages required for specific classes. The library Internet connection also provides a link to several large databases that provide full-text articles for hundreds of magazines on assorted subjects, and data and articles about companies and businesses. These databases are updated daily with the text of articles often available before the magazine appears on the shelves.



Other indexes include the full text of The New York Times and Chicago Tribune, current and historical text. Electronic databases provide unparalleled access to journals and magazines that would be unaffordable in print. The library's catalog and links to library databases and services can be found at http://hcclibrary.net.

Membership in the Prairie Area Library System provides access to more than 300 libraries holdings. If what a student needs is not available locally, it can be easily ordered from one of the thousands of other libraries in the state and country. The library is open - and all services are available - to all residents of the district.

Academic Advising

Academic advising is a service designed to help students in the selection of a program or degree and classes that relate to their educational and life goals. The service is provided by academic advisors and faculty members in the various academic divisions of the College on an appointment or walk-in basis.

All degree or certificate-seeking students are expected to meet with an academic advisor upon initial enrollment and subsequently as needed. Placement tests, class schedules and program outlines, and past academic and/or work performance will be examined in order to assist the student in developing an appropriate academic program designed for transfer to a senior institution or entry into the job market.

The student retains the responsibility for program and course selection and applicability to career or transfer requirements. However, academic advisors will provide valuable assistance and information in this decision-making process. Transfer information is available from each academic advisor. The Transfer Coordinator/Advisor gathers and disseminates this information and also provides applications to senior institutions, catalog information, and course equivalency information. Computer search services are also available.

Students planning to transfer to another college or university are expected to work with an academic advisor. Program guidelines at senior institutions change often. It is strongly encouraged to see an advisor periodically throughout the academic semesters. Transfer guidelines, updates, seminars, and information pertinent to transfer are available to students on a regular basis. This service is designed to enhance transfer options and lessen any problems that may arise.

Academic Advisors are located on the first and second floors of the Student/Conference Center; Building H. Services are available by appointment and during published walk-in times. For an appointment, call 815/599-3573.

Career Services

Career Services at HCC is a multi-service center that assists students, alumni, and community members with career and employment-related services and opportunities. The office also coordinates the Student Worker Program on Highland's campus. Assistance and resources include:

- Career counseling and assessments
- Career resources, including videos, reference materials and software programs
- Salary and occupational information
- Job leads and postings
- Job hunting assistance - resumes, cover letters, and interviewing
- Employment counseling

Career Services collaborates with agencies of the Illinois Employment Training Center, such as the IDES, Illinois Department of Employment Security and Partners for Employment. Career Services is located on the first floor of the Student/Conference Center, Room H-108. Career Services' resources and computers are available on a walk-in basis. The Center is open Mondays through Fridays, from 8 a.m. to 5 p.m.

Counseling, assessments, and resume development are done by appointment. Evening appointments are also available. Fees are charged for some services. For more information on services or for appointments, call 815/599-3536 or 815/599-3573.

Special Services

Project Succeed

Project Succeed provides a comprehensive array of services from a team of professionals dedicated to helping participants achieve their educational goals. These services include academic and personal counseling; academic advising; tuition-free classes; skill-building and personal-enrichment workshops; tutoring in math and writing by staff; mentoring/tutoring in student adjustments and study skills; scholarships and scholarship searches; visits to four-year colleges; advocacy and transfer assistance for transfer concerns; and free tickets to campus productions.

Participation in this federally funded program is open to students who fit within one or more of the following categories: first generation college students (neither parent graduated from a four-year college), economically disadvantaged students, and/or students with physical or learning disabilities.

The Project Succeed offices are located on the first floor of the Marvin-Burt Liberal Arts Center (Building M). Those interested in the services may pick up an application. For questions, call 815/599-3583.

Vocational Support Services

Vocational Support Services is a Carl Perkins-funded program designed to assist students enrolled in vocational programs. Academic-support services such as basic-skills development and content tutoring are available to students enrolled in qualified programs.

For Vocational Support Services, contact an instructor or the Learning Assistance Center located on the first floor of the Marvin-Burt Liberal Arts Center (Building M).

Upward Bound

Upward Bound is a pre-college educational assistance and enrichment program funded by the U.S. Department of Education. The principle goal of this program is to assist qualifying high school students in obtaining the motivational and academic skills to enhance their opportunities for entering and succeeding in post-secondary education.

Services are provided to participants during the regular school year and in an intensive on-campus program during the summer. Services include tutoring, study-skill development, college visits and awareness, ACT preparation, financial aid search, career awareness, social and cultural activities, team building, and instruction in math, science, English, and foreign language.

Upward Bound serves students from targeted high schools in Highland's district. The office is located on the first floor of the Marvin-Burt Liberal Arts Center (Building M). For more information, call 815/599-3411.

Auxiliary Services

Bookstore

The College bookstore provides a convenient place for students to purchase textbooks and supplementary instructional supplies as required by the instructor of each course. Students are required to purchase their own textbooks and supplies. Art supplies, imprinted clothing, , hats gift items, academically priced software, technology products, cards, balloons, and writing supplies are also available in the bookstore.

Book buy back is held during the scheduled finals week of each semester. The bookstore is located on the first floor of the Student/Conference Center (Building H) and is open daily during posted hours. For more information, call 815/599-3449.

Cafeteria

Food service is available from the cafeteria from 7:30 a.m. to 1:30 p.m. Monday through Friday. The service offers breakfast items, sandwiches, soups, salads, and breakfast and luncheon specials. Vending machines are also available. The Cafeteria is located on the first floor of the Student/Conference Center (Building H).

Child Care Services

Child care services are offered on the campus by the YMCA. Services are located in the Child Care and Training Center and are available to the general public. The Center's primary objective is to provide an enriched environment for children whose parents work, attend school, or who need additional

experiences to prepare them for school. Services are provided by the Center on a half-day or full-day contract basis only. The YMCA sets the fee schedule for these services There is no "drop-off" service available at this time.

Any child who is six-weeks through ten years of age is eligible to enroll if space is available. For additional information, call 815/235-2467.

Community Relations

Community Relations is responsible for releasing information to the press and the public concerning College activities. For further information, call 815/599-3542.

Housing

Highland does not provide a formal housing service nor does it recommend housing. Some available housing information is available through the Office of Admissions and Records. Also, a privately owned apartment complex is located adjacent to the campus. Information about the complex is available at the complex office.

The College advises and encourages parents and students to visit housing facilities before making final arrangements concerning housing in the community.

Lost and Found Services

Lost and found services are maintained by the College. However, the College does not assume responsibility for personal property of students. Lost and found services are located at the reception desk on the second floor of the Student/Conference Center, Building H, and at division offices in each building.

Medical and Health Services

The College does not provide medical or health services. In the event a student requires medical treatment for injury or illness, reasonable action will be taken to contact medical personnel and the student's parents and/or spouse. Any such medical treatment and service is at the student's expense. First-aid kits are located throughout the campus.

Parking and Traffic Services

The College offers student parking in designated lots on the campus. The College assumes no responsibility for any car or vehicle, nor protection of same, at any time while it is operated or parked on the College campus.

While on campus, students and guests are expected to follow all standard traffic regulations and definitions as enacted into motor vehicle laws by the State and County. Also, all parking regulations are expected to be followed. Violations of these regulations will result in a ticket, fine, and/or towing from campus. Handicapped parking is available and marked. Special parking accommodations can be made for persons with specific needs. Contact the Coordinator of Disability Services at 815/599-3437 for help with this special accommodation.

Sports Center

The Sports Center is a joint venture between the College and the Family YMCA of Northwest Illinois. The facility includes an Olympic-size swimming pool, a 1/14 mile banked jogging track, three racquetball courts, body-building equipment, general exercise equipment, and main and auxiliary gymnasiums.

Students who enroll at Highland may be eligible for a personal YMCA membership for that semester. To obtain a membership, a Highland student may inquire at the YMCA and will be issued an ID card if eligible. Y Cards may not be available until after the tenth day of enrollment, except for students taking an HCC physical education class.

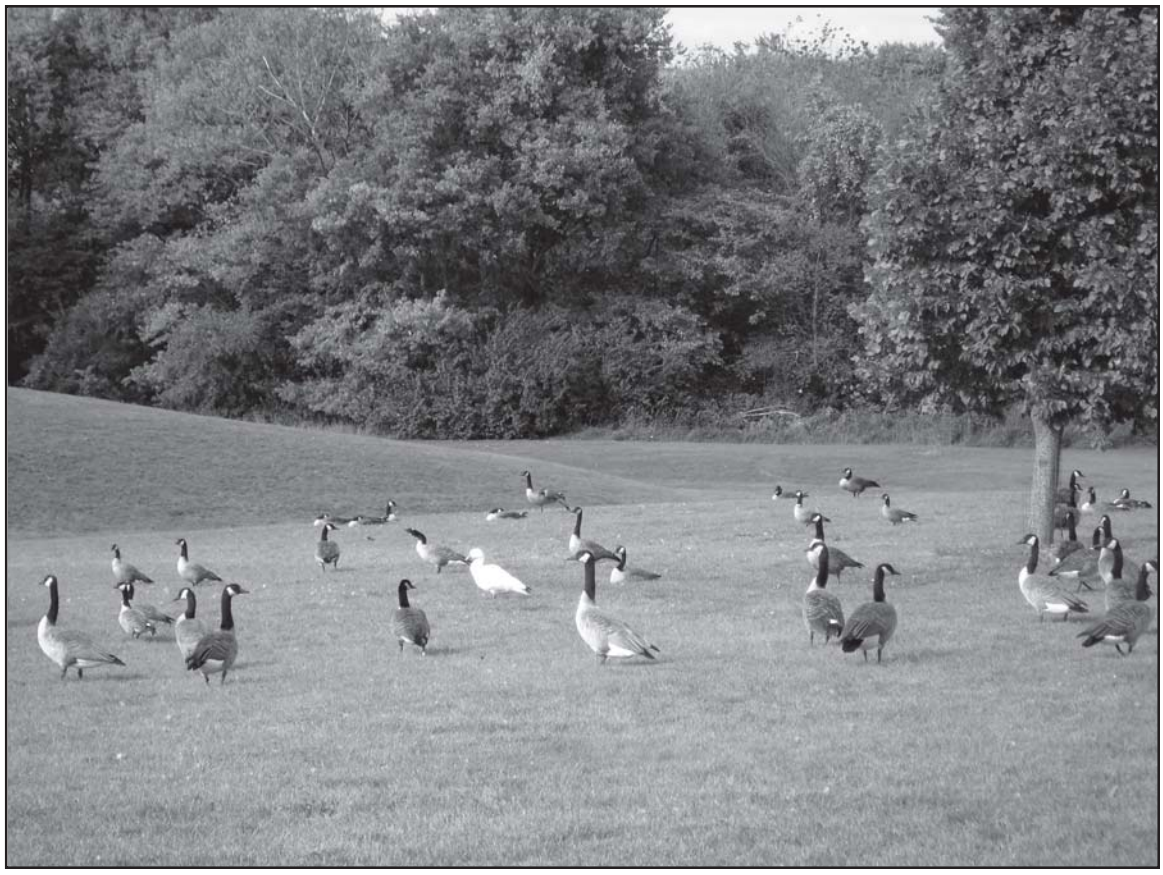
Emergency Services

If an emergency arises, students and visitors are to call the switchboard at 815/235-6121, ext. 0. After 5 p.m. or on weekends, emergencies will be handled by security, 815/599-3451.

If campus is closed by inclement weather or other emergency, the following radio stations will carry the announcement:

WFPS	92.1 FM	Freeport
WFRL	1570 AM	Freeport
WROK	1440 AM	Rockford
WZOK	97.5 FM	Rockford
Q98.5	98.5 FM	Rockford
Q102.5	102.5 FM	Lena
KATF	92.9 FM	Dubuque, IA
KGRR	97.3 FM	Dubuque, IA
KDTH	1370 AM	Dubuque, IA
KGGY	102.3 FM	Dubuque, IA
KROS	1340 AM	Clinton, IA
KLNT	97.7 FM	Jo Daviess County
WCCI	100.3 FM	Savanna
WEKZ	93.7 FM	Monroe, WI
WSDR	1240 AM	Sterling
WJOD	107.5 FM	Galena
WSSQ	94 FM	Sterling
WZZT	95.1 FM	Sterling
WREX	Channel 13	Rockford
WIFR	Channel 23	Rockford
WTVO	Channel 17	Rockford

An announcement will also be posted on the Highland web site at www.highland.edu.



Student Life

Student Activities

The College encourages and promotes a full program of student activities and organizations. The formation of student clubs, organizations, and honorary societies, as well as the production of student publications and the success of activities, depends upon student participation. Students are encouraged to become involved in available activities and to give suggestions concerning future events or desired clubs.

Student Government

Elections are held each fall and spring to select students to represent the Highland student body. The Student Senate is an active group charged to help develop policies and procedures for student conduct on campus, recognize campus clubs and organizations, and promote student life on campus. Election to the Student Senate is an honor but also a significant responsibility.

Music

Highland offers students the opportunity to excel in vocal and instrumental music outside of the classroom setting. Music majors and non-majors are welcome to audition for and participate in the Royal Scots, Collegiate Choir, Community Orchestra, Concert Band, and Jazz Ensemble.

Theatre

Highland boasts one of the best theatre programs in the state. Any student is eligible to take an active role in college theatrical productions on stage or behind the scenes. The theatre department offers a wide range of theatrical programs during the school year and hosts the popular Summerset Theatre series.

Intramural Sports

Students have varied opportunities to participate in individual, co-educational, and team sports in the intramural program. If a particular sport is not offered, the intramural director will determine if sufficient participants are available to make a new sport or activity available.

Intercollegiate Sports

Highland is a member of the National Junior College Athletic Association and the Arrowhead Athletic Conference. Highland teams participate in golf, men's and women's basketball, women's volleyball, women's softball, and men's baseball.

Forensics

The Highland Forensics team participates in a nationally recognized student academic activity. Throughout the year, students attend intercollegiate forensics tournaments to test their knowledge and ability in a variety of public-speaking events. The forensics program is open to all students.

Newspaper

The student newspaper, *The Chronicle*, communicates with the student body, the College faculty, and administration. Students interested in journalism are encouraged to participate. Course credit is available.

Clubs and Organizations

Formal student groups are a vital part of any college experience. Clubs and organizations give students with similar interests a format for developing friendships as well as intellectual growth. In addition, participation in campus organizations allows services to be provided to the student body and the entire campus. Participation in campus activities allows for the educational growth that takes place outside the formal classroom setting and helps students become active citizens on the campus and in his/her respective communities.

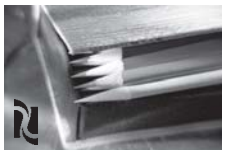
Awards

Each year, Highland offers awards to recognize academic excellence, leadership, character, and service. The Citizenship Award is presented by the College president to two outstanding, graduating sophomores. Other awards given by Highland are student government awards, honor student awards, and division awards.

Phi Theta Kappa

Phi Theta Kappa is an international honor society for students in community colleges who have demonstrated academic excellence. To be eligible for membership in Phi Theta Kappa, a student must have earned a GPA of 3.5 and completed 12 semester hours of baccalaureate degree course work. Students who are eligible for membership each semester are contacted by letter and invited to attend an orientation meeting. A formal induction ceremony is held each spring.

Benefits of being a member of Phi Theta Kappa are formal recognition for academic excellence and eligibility for scholarships at senior institutions. Members wear gold stoles with the honor insignia at graduation and receive diplomas with the Phi Theta Kappa gold seal. For more information, call 815/235-6121.



Code of Conduct

Highland Community College respects the civil rights and liberties of each member of the College; however, it is imperative for the College to be free from coercion, harassment, and disruption in order to allow for the exchange and expression of ideas. It is also imperative that the College, and the activities it sponsors, remain safe and drug-and-alcohol-free in order to enhance the pursuit of education and learning.

Students, student organizations, and campus visitors are expected to conduct themselves in such a manner as to be a credit to themselves, their organizations, the College, and the community. Violation of local, state, or federal laws at any college-sponsored activity (on-or-off campus) or at any activity involving the use of Highland property, will be considered a violation of the Student Code of Conduct and will result in disciplinary action.

It is expected that students will:

- Meet instructor expectations for attendance
- Be aware of all course and college requirements
- Complete all assignments in accordance with instructor expectations
- Meet all financial obligations to the College
- Register properly for classes each semester
- Fulfill all degree, certificate, or individual program requirements
- Follow college regulations and local, state, and federal laws
- Act honestly in all situations
- Respect faculty, staff, college personnel, and other students
- Make appropriate use of college equipment, grounds, and facilities

It is expected that student organizations and campus visitors will:

- Follow college regulations and local, state, and federal laws
- Make appropriate use of college equipment, grounds, and facilities
- Respect faculty, staff, college personnel, other students and organizations

The following are examples of unacceptable behavior while on Highland's Campus or at any Highland-sponsored activity or event:

- Giving false or misleading information to any College employee
- Tampering with or destroying any College record
- Possessing, being under the influence, supplying, or selling any alcoholic beverage, controlled substance, non-prescription drug, narcotic, or stimulant
- Using loud or abusive language
- Creating a hazard, physical or emotional, for others, self, or things
- Blocking access to buildings, rooms, driveways, or other access ways
- Unauthorized use of campus or other College-controlled facilities
- Obstruction or disruption of teaching, learning, studying, or other College activities
- Threatening, attempting, or committing physical violence
- Damaging, destroying, or unlawfully possessing College facilities or property
- Theft
- Possession and/or use of knives, guns, or any weapon
- Violation of any College regulation, local, state, or federal law will be subject to referral to criminal/civil authorities for investigation and/or action
- Operating any vehicle in an unsafe or reckless manner
- Parking or using a vehicle in unauthorized areas
- Using skateboards, in-line skates, or other unapproved apparatus

Sanctions for Behavior Misconduct

Violations of the Student Code of Conduct or failure to fulfill expectations are subject to disciplinary action. Disciplinary action may include, but is not limited to, the following:

Warning: A written or spoken notice that continuation or repetition of violations of the Student Code of Conduct may be cause for more serious disciplinary action. (College personnel, Instructor, Dean, Vice President of Academic and Student Services, or designee)

Disciplinary Probation: A written statement disqualifying a student or organization from participating in any or all College activities, holding an office or leadership role, or other campus or faculty limitations for a specified length of time. (Vice President of Academic and Student Services or designee)

Suspension: A written notice of exclusion from classes, privileges, and/or activities for a specific period of time. (Vice President of Academic and Student Services or designee)

Dismissal: A written termination of student status for an indefinite period of time. (Vice President of Academic and Student Services or designee)

Temporary Suspension by Instructor

An instructor has the authority to remove a student temporarily from the classroom setting if the instructor determines that the continued presence of the student would disrupt the educational process or endanger the physical well-being of others in the classroom or immediate area. All temporary removals from the classroom must be reported to the appropriate Dean or supervisor and the Vice President of Academic and Student Services or designee within one (1) working day of the removal. Further disciplinary sanctions may be applied.

Authority to Impose Temporary Suspensions from the College

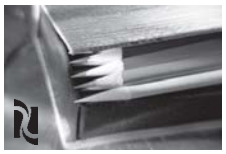
If the presence of any person or organization is an immediate and serious threat to other persons, property, or programs on the Highland campus or other college facilities, the President of the College or designee may impose an interim suspension from the College. The President or designee has the authority to remove or continue the suspension for the well-being of the College. During the interim suspension, the affected person or organization shall not, without prior written permission of the President or designee, enter or remain on Highland premises.

Notification and Due Process Procedures

1. Faculty, staff, or students shall notify the Vice President of Academic and Student Services or designee within two (2) school days that a student or organization is accused of violating, or has violated, the Student Code of Conduct.

2. The student or organization shall be notified by the Vice President within seven (7) school days that they have been accused of violating the Student Code of Conduct. A meeting with the student or organization representatives shall be scheduled to discuss the alleged violations. The Vice President or designee shall issue a written decision relating to sanctions. Copies of the decision shall be sent to the student or organization and placed in the student's or organization's file.

3. The student or organization may appeal the decision of the Vice President to the Judicial Review Board. The appeal must be in writing to the College's Affirmative Action Officer and made within seven (7) school days from the issuance of the decision. The hearing before the Judicial Review Board is to take place within ten (10) school days after receipt of the appeal. Decisions resulting in dismissal require a hearing before the Judicial Review Board. Appeals related to suspension must be heard by the Judicial Review Board. Other sanctions may or may not be heard by the Judicial Review Board.



Student Judicial Review Board

The following procedures shall be used by the Highland Student Judicial Review Board. When hearing cases brought before it, the Review Board's decisions shall be final.

1. All hearings shall be closed and by invitation only.
2. The alleged offender has the right to present a defense before the Student Judicial Review Board and to call witnesses.
3. The alleged offender reserves the right to have advisory counsel present. However, the student must present the case.
4. Prior to testimony, witnesses shall identify themselves and state their relationship to the present case.
5. The alleged offender is entitled to question any witnesses.
6. A verbatim record of the hearing shall be taken, and the entire proceeding shall be electronically recorded.
7. The alleged offender shall be informed (in writing) of the Student Judicial Review Board's decision within 24 hours of the completion of the hearing before the Review Board. The decision will be delivered by the College's Affirmative Action/Equal Employment Opportunity (EEO) officer. The Student Judicial Review Board's written decision is final. The EEO/Affirmative Action Officer will maintain a record of all hearings and pertinent documents.

The Student Judicial Review Board shall be composed of the following seven members: the EEO/Affirmative Action Officer, two administrators appointed by the President of the College, two faculty members appointed by the President of the Faculty Senate, and two students appointed by the President of the Student Senate. No member of the Student Judicial Review Board who has a direct interest in the case shall sit in judgment of that case. A member of the Student Judicial Review Board determined to have an interest in the case shall be replaced by the authority who made the original appointment. Appointments to the Judicial Review Board will be made on an as-needed basis.

On the occasion that a student violates the Student Code of Conduct and necessitates serious penalties such as suspension or dismissal, it is the duty of the Student Judicial Review Board to provide a hearing, if requested or required, to determine proper disciplinary action and ensure that due process was delivered to the student. If the student is found innocent of the alleged violation of the Student Code of Conduct, it is the duty of the Student Judicial Review Board to ensure that the student has the opportunity to make up all worked missed and his/her record shall be expunged of the disciplinary complaint. The Student Judicial Review Board, upon review of complaints not involving suspension or dismissal, may elect not to hear a case and concur with prior actions taken.

Academic Integrity and Academic Misconduct

Academic integrity rests on two principles: first, that academic work is represented truthfully as to its source and its accuracy; second, that academic results are obtained by fair and authorized means.

"Academic Misconduct" occurs when either of these guiding principles is knowingly violated.

Examples of these violations include:

A. **Cheating:** Giving, using, or attempting to use unauthorized materials, information, notes, study aides, or other devices in any academic exercise, including unauthorized communication of information.

B. **Fabrication and Falsification:** Unauthorized alteration or invention of any information or citation in an academic exercise.

C. **Plagiarism:** Knowingly presenting the work of another as one's own (i.e. without proper acknowledgment of the source). The sole exception to the requirement of acknowledging sources is when the ideas or information is common knowledge.

D. **Facilitating Academic Misconduct:** Giving or attempting to help another commit an act of academic misconduct.

E. Tampering with Materials, Grades, or Records: Interfering with, altering, or attempting to alter records, grades, or other documents without authorization from an appropriate College official for the purpose of changing, falsifying, or removing the original information found in such records.

Sanctions for Academic Misconduct

If academic misconduct is discovered and confirmed, any of the following penalties may be imposed:

A. Reduction in grade (Instructor)
B. Warning (Instructor and/or Dean)
C. Suspension from class (Dean and/or Vice President)
D. Suspension from College (Vice President)
E. Dismissal from College (Vice President)

Procedures and Student Rights

A. An instructor may, with due notice to the student, treat as unsatisfactory any student performance that is the product of academic misconduct. The instructor will issue written documentation of incident(s) and sanction(s) to the student and to the Dean to whom the instructor reports.

B. If a student wishes to protest a grade based upon work judged by an instructor to be a product of academic misconduct, or if an instructor deems other judiciary action for academic misconduct by a student advisable, a recommendation for review shall be made to the Dean or supervisor to whom the instructor reports. The Dean or supervisor shall review the incident with the instructor and student and issue a decision within five (5) school days of the review.

C. If an instructor and/or Dean deems other judiciary action for academic misconduct by a student advisable, or if a student wishes to appeal the Dean's decision, a recommendation for review shall be made in writing to the Vice President of Academic and Student Services. The Vice President shall review the incident with instructor, Dean, and student, and issue a decision in writing within ten (10) school days of the review.

D. If a student wishes to appeal the decision of the Vice President, a written appeal may be made to the Judicial Review Board. This appeal letter should be sent to the college's Affirmative Action Officer within five (5) school days of receipt of the Vice President's reply.

Other Student Academic Complaints

Highland Community College students have the right to express their opinions regarding treatment in academic matters. Students shall express concerns initially with the appropriate faculty or educational staff member within seven (7) school days of the occurrence that gives rise to the complaint.

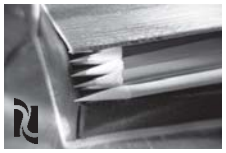
If the complaint is not resolved to the student's satisfaction, the student may request a review of the complaint by the Dean or supervisor to whom the instructor reports. The request must be in writing and must be received by the Dean or supervisor within five (5) school days after the initiated attempt at resolution. The Dean or supervisor shall issue a written response covering the outcome of the review within seven (7) school days after receipt of the request.

If the result of the Dean's or supervisor's review is unsatisfactory to the student, the student may appeal in writing to the Vice President of Academic and Student Services within five (5) school days after receipt of the Dean's response. The Vice President shall review the complaint fully and issue a reply in writing within ten (10) school days of receipt of written student appeal.

If the result of the Vice President's review is unsatisfactory to a student, a written appeal may be made to the Judicial Review Board within five (5) school days of receipt of the Vice President's reply.

Sexual and Other Harassment Complaints

Harassment of any kind is not acceptable at Highland Community College whether it is sexual harassment or on the basis of age, color, disability, ethnic or national origin, gender, race, religion or sexual orientation, or any other legally protected classification. An individual who believes he/she has been harassed must file a written and signed complaint with the College's Affirmative Action Officer (AAO) within 45 days of the date of the alleged event or incident. The AAO will process the complaint according to the process identified in the College's Sexual and Other Harassment policy. This policy may be found on the HCC web site: www.highland.edu.



Assessment of Student Learning Outcomes

According to its mission, Highland Community College is committed to providing quality education and learning opportunities. Central to assuring quality is the college's program of assessment of student learning outcomes.

Highland Community College's faculty members have created and written student learning outcome statements to help measure and promote student learning in the general education core curriculum, identified programs in the transfer curriculum, and the occupation programs leading to the AAS degree.

Students may be asked to participate in activities designed to assess learning in Highland's academic and occupational programs or within individual courses or courses of study. This partnership of learners and teachers will assist Highland in its efforts to continuously improve the quality of teaching and learning at the institution.

Computer-Based Technology Guidelines

Highland Community College provides access to technology in order to support the teaching and learning process and to provide access to information sources from around the world. The College believes that the value of information and interaction that computer-based technology offers outweighs the potential hazards of its misuse. Making network access available, however, carries with it the potential that some network users will access sources that others consider objectionable. Users are expected to access computer-based technology for legitimate college business or educational purposes. Exercising this privilege requires that users accept the responsibility for all material viewed, downloaded, and/or produced. Users will need to evaluate the validity of materials accessed through technology and cite their sources when appropriate.

For the purposes of this policy, the term technology is defined as and refers to all computer and computer-related hardware, software, peripherals, network infrastructure, the Internet, and any device that is accessed through the College's network or any device that interfaces with a computer or computer peripherals either on campus or from remote locations.

The term users refers to all individuals who utilize any or all of Highland's computer-based technology, which includes, but is not limited to faculty, staff, students, board members, contractual employees, community members, businesses, visiting organizations, and all visitors. Users should exercise good judgment and comply with this policy and all administrative regulations and guidelines.

No technology can be guaranteed to be error-free or totally dependable. Among other matters, the College is not liable or responsible for: 1) any information that may be lost, damaged, or unavailable due to technical, or other difficulties; 2) the accuracy or suitability of any information that is retrieved through technology; or 3) defamatory material.

Users must recognize that there is no way to provide absolute assurance of confidentiality with respect to access to transmissions and files by persons outside, or from persons inside the College. Also, the College reserves the right to log technology use, to monitor fileserver space utilization by users, and to examine user's files and materials when based upon established procedures for suspected violation of this policy. Failure by students and visitors to comply with these guidelines and board policy may result in disciplinary action as outlined in the Student Code of Conduct. Faculty and Staff use of computer-based technology is governed by applicable Board Policy and/or contractual language.

It is the College's policy that all technology and handling of data must be in compliance with the Gramm-Leach-Bliley (GLB) Act and with the Family Educational Rights and Privacy (FERPA) Act. Highland Community College fully expects all College personnel be familiar with these acts (see "Everything You've Always Wanted to Know About Privacy of Student Records But Were Afraid to Ask" and its accompanying Acknowledgement form).

In order to ensure legal licensing of all campus software, ITS is the only authorized installer of any software installed on any campus system (including all downloadable software). Unauthorized software will be removed from the system as spelled out in user guidelines.

Users are never to give anyone their user name and/or password as this action poses a threat to the integrity and confidentiality of all system data. Suspected abuse will be investigated and handled according to all applicable policies.

Guidelines for Electronic Communication, Network Support Services, and Desktop Support Services may be found on the "G" drive under "User's Highland's Computer Based Technology".

Guidelines for Technology Use

Users will:

- Adhere to the rules of copyright and assume that any software they did not create is copyrighted (unless labeled "freeware" or "public domain")
- Adhere to the licensing agreements governing the use of shareware
- Note the e-mail, like other forms of communication, is not guaranteed to be private. People who operate the system may have access to e-mail under appropriate circumstances
- Be responsible at all times for the proper use of their access privileges and for avoiding impersonations, anonymity, or unauthorized sharing of security measures
- Take responsibility for any activities using technology that is borrowed by them or under their account or password
- Maintain the integrity of technological resources from potentially damaging messages, physical abuse, or viruses
- Respect the right of others to use equipment
- Abide by the policies and procedures of networks and systems linked by technology
- Protect the privacy of other users and the integrity of the system by avoiding misuse of passwords, others' files, equipment, and programs

Users will not:

- Harass other users
- Use an account of another user without his/her permission
- Misrepresent themselves or others
- Violate the rights of others, including their privacy
- Vandalize data, programs, and/or networks
- Degrade or disrupt systems and/or equipment
- Damage technology hardware or software
- Spread computer viruses
- Gain unauthorized access to resources or entities
- Violate copyright laws
- Use technology for illegal purposes or purposes deemed objectionable by the college including accessing, viewing, downloading or transmitting child pornography
- Install software not supported or approved by the College

General Information

Bulletin Boards

Bulletin boards are located in each building for students, faculty, and staff for communication of campus activities. The Director of Community Relations may authorize bulletin board usage on campus. Deans or Directors charged with building responsibility may also authorize the posting of items in the appropriate building. The Dean or Director may also remove any unauthorized item or any item found to be in violation of the Student Code of Conduct.

Campus Hours - 5 a.m. to 11 p.m.

No one is to be on campus at other times without special permission. Violators will be considered as trespassers.

Guests

Guests and visitors are encouraged to avail themselves of Highland's hospitality. Highland students are responsible for the actions of their visitors or guests at College activities both on and off campus. Rules of behavior and conduct will be applied to all.

Security

Campus security is a responsibility shared by all members of the campus community. If security problems arise, services can be obtained by calling the sheriff's deputy at 815/599-3652 (on campus, call extension 3652).

Smoking Regulations

Each campus building is a designated non-smoking area. Therefore, smoking is only allowed outside of the buildings.

Parking/Traffic Regulations

General parking for students and guests is available on campus. Limited parking areas are marked and reserved for employees and individuals with disabilities.

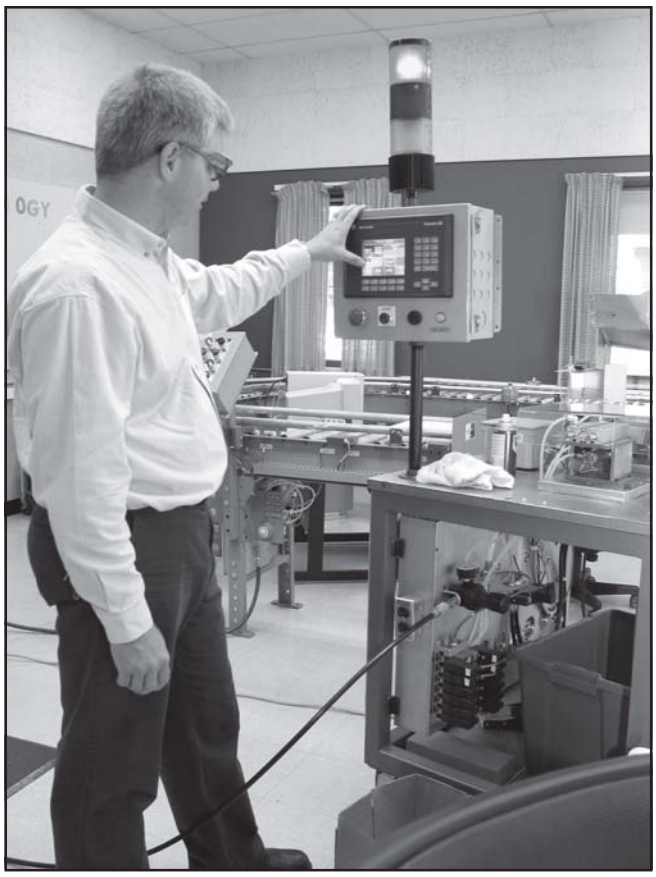
All drivers are expected to follow posted speed signs and parking limitations. Special parking options may be made available by contacting the Director of Physical Plant. For further information, call 815/599-3501.

Eating Regulations

Eating is allowed only in designated areas in the buildings.

Highland Traditions

School Colors: Brown, Orange, & White
School Mascot: Cougar
Music Groups: HCC Jazz Ensemble, Royal Scots, and Collegiate Choir
Community Theater: Summerset Theater



Academic Information

Student Classifications

Freshman
A degree-seeking student who has accumulated 29 semester hours or less of college-level course credit is considered to be a freshman.

Sophomore
A degree-seeking student who has accumulated 30 semester hours or more of college-level course credit is considered to be a sophomore.

Special
The following students fall into this category:

1.) Adult/Continuing Education students,

2.) Students who already have an Associate degree or higher,

3.) Students who are seeking a certificate, and

4.) Students not seeking a degree or certificate.

Full-time
A student who is registered for twelve or more semester hours during a regular semester, or six or more semester hours during a summer session is considered to be full-time.

Half-time
A student who is registered for between six and eleven semester hours during a regular semester or between three and five semester hours during a summer session is considered to be half-time.

Part-time
A student who is registered for five semester hours or less during a regular semester, or two semester hours or less during a summer session is considered to be part-time.

Scholastic Load

Twelve semester hours constitute the minimum full-time load; the normal full-time class load is 15-16 semester hours. More than 18 hours may be carried by special permission of the College's academic advisors. Students in most academic courses can expect to spend an average of two hours of preparation for each hour of class.

The College reserves the right to restrict a student's course load to less than minimum full-time status or to assign students to a course. Such decisions may be based on review of the student's previous academic record and on results of tests given at the time of registration.

Students who are working more than 20 hours per week should reduce their class load proportionately. To achieve the best academic record, it is recommended that students plan not to work during the first semester in college.

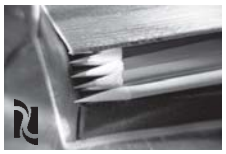
The suggested schedule for working students is as follows:

Work Load	Class Load
Over 40 hours	6 credit hours or less
30 to 40 hours	4-9 credit hours
20 to 30 hours	6-12 credit hours
Less than 20 hours	9-17 credit hours

Attendance

Regular attendance in classes is necessary if a student is to receive maximum benefits from the course work. Regular attendance is the student's responsibility. All absences and arrangements for make-up work are to be reported directly to the instructor, who is responsible for determining whether the absence is excused.

Instructors are requested to permit students to make up work missed because of prolonged illness, approved field trips, and activities sponsored by the College. In other cases, an instructor's own judgment is used regarding permission to make up work or excusing the absence.



Grades

Grading System

Highland Community College uses the following letter grading and grade-point system.

A	Excellent	4.00 Grade Points
B	Good	3.00 Grade Points
C	Average	2.00 Grade Points
D	Minimum Passing	1.00 Grade Point
F	Failure	0.00 Grade Points

The following are not used in the computation of the grade-point average.

S	Satisfactory
R	Repeat
P	Pass
U	Unsatisfactory
I	Incomplete
W	Withdraw
AU	Audit
PR	Proficiency Credit

Course Repeats

Once a student receives a letter grade of A, B, C, P, or S in a course, the student cannot repeat the course unless he or she is willing to pay an additional charge per credit hour plus regular tuition. Whenever a course is repeated, only the repeated grade will be used to calculate the cumulative grade-point average (GPA) at HCC. There are some courses in the catalog that are repeatable, by design, for additional credit, without the additional charge. The number of times these courses may be repeated for credit is noted in the course description. Students should contact the Office of Admissions and Records for information on repeatable courses.

Incompletes

An incomplete grade of "I" may be given, at the discretion of an instructor, when unusual circumstances prevent the student from completing the requirements of the course in the scheduled time. Students who receive an "I" for a final grade have three weeks into the next regular semester to complete requirements and to have the "I" changed to an appropriate letter grade. If the student does not complete requirements within the three weeks, the "I" will automatically be changed to an "F" or "U" depending on the grading options for that class. Extensions will be handled on an individual basis.

Audit

Students who want to take a course and not receive a final grade may audit the course with the approval of the instructor. The course will appear on the student's permanent academic record with the AU (Audit) in place of a grade.

Because Highland does not receive any state funding for students who audit classes, students are required to pay an additional tuition charge to offset this loss of funding. For additional information on auditing and tuition, students should contact the Dean of Enrollment Services at 815/599-3486.

Withdrawal

Students who choose to withdraw from a course or are withdrawn by an instructor will receive a final grade of "W" on their academic record. See page 8 for information about withdrawing from a course.

Grade Reports

Final grades can be viewed online in the student's R.O.A.R. account at the end of the semester. No hard copies of grades are mailed to the student's residence.

Midterm grades can be viewed in the student's R.O.A.R. account at a designated time. No hard copies of grades are mailed to the student's residence.

Academic Honors

Highest Honors, High Honors, and Honors lists are compiled and published at the end of each semester. Students enrolled in at least twelve semester hours of courses during the previous semester will be recognized as follows based on their semester grade-point average:

Highest Honors	GPA 4.00
High Honors	GPA 3.50 - 3.99
Honors	GPA 3.25 - 3.49

Academic Standing

All students are considered to be "in good standing" unless they are placed on academic probation or suspension. Students who have been placed on academic probation or academic suspension can achieve good standing by meeting or exceeding the minimum grade-point average requirements stated in the section below.

Academic Probation

Students will be placed on academic probation and have it noted on their academic record if they fail to satisfy the following requirements:

The student's cumulative grade-point average must be at least:

1.75 after attempting 12 semester hours
2.00 after attempting 24 semester hours

All transfer credit will be used in calculating grade-point average for purposes of academic probation.

Academic Suspension

Students will be placed on academic suspension and have it noted on their academic records if they meet any of the following criteria:

1.) The student has a cumulative grade-point average of 1.00 or below after attempting six semester hours.
2.) The student on academic probation fails to meet any of the minimum grade-point average requirements for two or more semesters and shows no academic progress.

Students placed on academic suspension will not be allowed to register for the next semester. Students who wish to return after their one-semester suspension will be required to have an academic-advising session with an academic advisor. Students should contact the Dean of Enrollment Services regarding appeals at 815/599-3486.

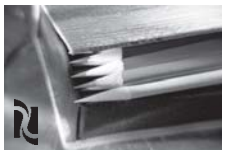
Transfer Credit From other Colleges and Universities

Students who have attended other colleges and/or universities and wish to have that credit applied to their degrees or certificates at Highland will be required to have official transcripts from those schools sent to the Office of Admissions and Records at Highland. When the transcripts are received at Highland, the student will be sent a letter requesting that he/she make an appointment to have the transcripts evaluated. Based on the evaluation, credit may or may not be allowed.

Occupational Course Guarantees

It is the policy of the Board of Trustees that students graduating with an Associate of Applied Science degree in an occupational program be guaranteed competency in the technical skills represented in the degree. Should the graduate not be able to demonstrate the basic skills expected to his or her employer, the student will be offered free tuition and lab fees for up to 15 credit hours of retraining subject to the following conditions:

A. The course work in which competency was expected to be developed for the degree must have been completed at HCC within three years of initial enrollment.
B. The student must be employed full-time in a job directly related to his/her program of study within one year of graduation from the approved program at HCC.
C. The employer must verify in writing, within 90 days of the graduate's initial employment, that the graduate lacks competency in specific technical skills, as represented in the degree.
D. A written retraining plan must be developed by the employer, the graduate, and the appropriate instructional dean specifying the course(s) needed for retraining and the competencies to be demonstrated.
E. The retraining is limited to courses regularly offered by HCC and completed within one academic year of the date the retraining plan is finalized.
F. Prerequisites, co-requisites, and other admission requirements for retraining courses must be met and are not included in those courses covered in this guarantee.
G. Should the student audit, withdraw or not receive a passing grade in a course identified in the retraining plan, it will be included in the 15 credit hour limit.
H. The Board will waive tuition and lab fees for those courses identified in the retraining plan, but the student must be responsible for any other costs that might be associated with taking the course.



This guarantee does not apply to those programs in which the graduates are licensed, including but not limited to, Nursing. The guarantee becomes effective with students enrolling in summer 1993. Furthermore, the sole recourse available to participants enrolled in this guarantee program shall be limited to retraining in the appropriate class with no recourse for damages, court costs, or any associated costs of any kind or right to appeal beyond those specified by Highland Community College.

Transfer Course Guarantees

It is the policy of the Board of Trustees that students graduating with an Associate of Arts or Associate of Science degree from Highland Community College be guaranteed the acceptance of baccalaureate credits earned at HCC by the transfer institution, backed by an offer of a refund of tuition for any courses not accepted, subject to the conditions listed below.

A. The application for a refund must be submitted within one calendar year of completion or graduation with a transfer degree from HCC.
B. The course must have been completed with a grade of "C" or better.
C. The refund would be based upon tuition paid at the time the course was completed.
D. The student has met with an academic advisor from HCC, declared a major and a transfer college or university prior to taking any courses in the guarantee, and taking only those courses approved in writing by the advisor.
E. The student transfers to the college or university declared and approved as in section "D" above within two years of initial enrollment at HCC.
F. The student requests an evaluation by the transfer institution of the HCC courses completed immediately upon transfer.
G. The student cooperates with HCC personnel in resolving any transfer difficulties by notifying the College and submitting any necessary consents or releases for student records or correspondence.
H. The student submits within 60 days of being notified by the transfer institution that the course has been refused for credit and makes a claim for the refund. The claim must state the reasons for the refusal offered by the institution; 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 institution.

The College will first attempt to resolve the issue with the transfer institution. If favorable resolution is not achieved within 120 days, the reimbursement will be authorized. This policy becomes effective with students enrolling for the first time at HCC fall semester, 2003. Furthermore, the sole recourse available to participants enrolled pursuant to this guarantee program shall be limited to 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 the right to appeal beyond those specified by Highland Community College.

Credit for Prior Learning

Students with previous academic training, on-the-job experiences, military training, and other past learning activities can translate their acquired knowledge into college credit through the various following options.

CLEP (College Level Examination Program)

Contact the Dean of Enrollment Services for acceptance information. CLEP credit will be allowed for subject examinations only. Prior approval must be obtained from the appropriate division office and the Dean of Enrollment Services before tests are taken and scores submitted.

Advanced Placement Credit/College Board Testing

Proficiency credit may be awarded for specific scores of advanced placement classes taken in high school. Official scores must be sent to the Dean of Enrollment Services. Contact the Dean of Enrollment Services for Advanced Placement scores accepted for college credit.

PEP (Proficiency Examination Program)

PEP credit will be allowed for specific nursing courses only. Students must make arrangements with the Director of Nursing for testing and test specifics.

Military Experience

College-level credit will be awarded to veterans based upon recommendations listed in the most recent Guide to the Evaluation of Educational Experiences in the Armed Services. If requested, up to four semester hours of physical education activity credit will be awarded to veterans whose DD214 verifies at least one year of "active duty" or more upon request. Contact the Office of Admissions and Records at 815/235-6121 for more information.

Credit by Proficiency

Students can earn up to 25% of the credit hours required for an HCC degree or certificate by successfully completing proficiency tests. Proficiency tests are best suited for students with considerable academic and life experiences.

To take proficiency tests at Highland, a student must first be formally admitted to the College. Students are also encouraged to meet with an HCC advisor or instructor for an assessment of their qualifications before taking proficiency exams. Students must pay a non-refundable administrative fee of $25 and non-refundable tuition of $25/credit hour before taking the test.

The tests may include a written or oral exam, portfolio review, history of on-the-job experiences, or any combination of the above.

Following successful completion of proficiency tests, credit will be granted and will appear on the student's official HCC transcript. Proficiency credit carries no grade value and does not affect a student's grade-point average. It cannot be used to fulfill the residency requirements of HCC degrees.

Proficiency credit earned at other accredited institutions will be accepted at Highland providing the course for which the test was taken is equivalent to an HCC course and as long as the institution recorded the credit on a student's official transcript.

Interested students should contact the Office of Admissions and Records for details at 815/235-6121.

High School/HCC Articulation Agreements

Articulation Agreements With Area High Schools

Highland Community College has credit by articulation agreements with in-district high schools. These agreements allow college-enrolled high school graduates to receive college credits in English and mathematics for successful completion of high school English and mathematics requirements.

Proficiency credit for ENGL 121, Rhetoric and Composition I, will be granted for those students meeting the following requirements:

1. Completion of four years of high school English with a GPA of 2.0 or better.
2. Completion of senior year, college-prep English with a grade of "B" or better.
3. Placement exam results show a writing competency level that suggests probable success in the advanced writing course.
4. Proficiency credit for ENGL 121, will be granted upon completion of ENGL 122, Rhetoric and Composition II, with a grade of "C" or better.

Proficiency credit for MATH 166, College Algebra, will be granted for those students meeting the following requirements:

1. High School completion of math courses containing at least 80% of course content of college MATH 166, College Algebra.
2. Math placement exam results place the student in a math course above MATH 166.
3. Proficiency credit for MATH 166 will be granted upon completion of college MATH 167 or above, except MATH 177, with a grade of "C" or better.

Dual Credit Through Highland Community College

Many students participate in a state approved program known as "Dual Credit," whereby high school or home schooled students take college-level courses at their vocational center, local school, or at one of the Highland Community College campuses. An approved instructor delivers courses, and the student may receive college credit as well as high school credit.

Students must complete the same pre-requisites, course content, and evaluation of outcomes as in the traditional college course. Course grades are recorded on the HCC transcript in the same manner as regularly enrolled college students and may be used toward a Career and Technical Education degree, a certificate program at HCC, or transferred to other colleges. They may also be used as information presented to a prospective employer to verify training and competencies.

A variety of courses are available in technical and transfer areas. Depending on Career and Technical program and course availability, students may earn from 3 to over 20 college credits before their high school graduation. In some cases, the tuition for Career and Technical courses is paid by the vocational system or local school district. Students may be required to pay course fees and the cost of textbooks. Students and their parents or guardians are encouraged to check with their local high school counselors for course availability and advising. Students in dual credit courses must be over age 16, and have the approval of their school before registering.

For more information regarding transfer course dual credit, contact the Dean of Arts, Sciences and Learning at 599-3531, and for additional information about career and technical course dual credit, contact the Dean of Business and Technology at 599-3604.

Graduation

Degree Checks

Students working toward completion of a degree or certificate should consult with an advisor for a preliminary degree evaluation the semester prior to degree or certificate completion. Official degree evaluations will be performed by the Dean of Enrollment Services after the student files an Intent to Graduate form during the semester of intended completion.

Graduation Requirements

Associate Degrees

Students must:

1. Successfully complete the minimum number of semester hours required for a degree (62).
2. Have an overall cumulative grade-point average (including transfer credits) of 2.00 or higher.
3. Complete a minimum of 30 semester hours at Highland with the last 15 hours completed in residency for degree programs. Under certain circumstances, exceptions to residency rules may be granted. Contact the Dean of Enrollment Services for further information.
4. Receive a passing grade on a test covering the Constitution of the State of Illinois and of the United States, as required by Senate Bill 251. Illinois high school graduates must provide an official transcript that denotes this accomplishment. All other students should contact the Office of Admissions and Records to make arrangements to take the exam early during the semester the student will graduate.
5. File an Intent to Graduate form, available at the Office of Admissions and Records, by the appropriate deadline.

   Fall Graduation - First Monday in November

   Spring Graduation - First Monday in March

   Summer Graduation - First Monday in May

Certificates

Students must:

1. Successfully complete the minimum number of semester hours required for a certificate (number varies).
2. Have a grade point average of 2.00 or higher for the courses that apply toward each certificate.
3. Complete one-half (½) of the required semester hours for the certificate at Highland.
4. File an Intent to Graduate form, available at the Office of Admissions of Records, by the appropriate deadline.

   Fall Graduation - First Monday in November

   Spring Graduation - First Monday in March

   Summer Graduation - First Monday in May

The Graduation Ceremony

Students receiving degrees or certificates at the end of fall, spring, or summer semesters are requested to participate in the graduation ceremony. Graduation ceremonies are held on either the second or third Saturday in May. After the student has filed his/her Intent to Graduate form, the Office of Admissions and Records will mail the student a letter providing information on cap and gown distribution and any other special dates pertaining to graduation.

Graduation Honors

Highest Honors, High Honors, or Honors will be indicated on the official transcript of those attaining an Associate Degree based on the cumulative grade-point average (including transfer credit) as follows:

Highest Honors	cum. GPA 4.00
High Honors	cum. GPA 3.50-3.99
Honors	cum. GPA 3.25-3.49

Waivers

A student requesting waivers of admissions, academic, and graduation requirements must submit a request in writing to the Dean of Enrollment Services.

Transferring Credit to Other Colleges & Universities

Highland is fully accredited by the North Central Association of Colleges and Schools that facilitates the transfer of credit to other colleges and universities. Careful planning of the educational program with an academic advisor should help students to transfer to another college or university.

Students who earn the Associate of Arts or Associate of Science degree and transfer to Northern Illinois University, Western Illinois University, Illinois State University, Southern Illinois University, Eastern Illinois University, University of Illinois at Springfield, or the University of Wisconsin-Platteville will be accepted by the universities as juniors and as having met lower division university general-education requirements. Students planning to transfer to other colleges or universities are encouraged to contact an academic advisor for assistance.

Please refer to the Illinois Articulation Initiative in this catalog for other transfer information.

Columbia College

Columbia College at Highland Community College is fully accredited by the North Central Association and approved by the Illinois Board of Higher Education. Columbia College has five eight-week sessions a year and full-time on-site advising. Evening and Saturday classes are offered, plus a wide variety of courses, flexible class schedules, online classes, dedicated staff and faculty, affordable tuition, and financial aid. All students awarded an Associate of Science or Arts degree at Highland Community College complete the general-education requirements for a Columbia College baccalaureate degree.

Degrees offered:

- Bachelor of Science in Business Administration
- Bachelor of Arts in Business Administration
- Bachelor of Arts in Criminal Justice Administration (online)
- Bachelor of Arts in Psychology (some online courses)
- Bachelor of Arts in Interdisciplinary Studies

For more information on Columbia College and its programs, call 815/599-3585, or visit them on the web at www.ccis.edu/freeport.

Transcripts

Students who want to have transcripts of their Highland academic work sent to other colleges/universities or employers must make the request in writing or by logging into their online account. A Transcript Request form is available in the Office of Admissions and Records as well as our website - www.highland.edu. Highland will not send copies of other college/university or high school transcripts. Students who want a copy of their Highland transcript for their personal use must follow the same procedure; the transcript will be stamped ISSUED TO STUDENT and will state that it is unofficial. Transcripts will not be issued to students with unpaid account balances.

Release of Student Information

The "Family Educational Rights and Privacy Act of 1974," also known as the "Buckley Amendment," or Public Law 93-380, as amended restricts access to student records by third parties. Highland Community College will release information to third parties only with written permission of the student. However, the College will comply with any lawful judicial order, decree, subpoena, and/or process that may compel production of information.

The law does provide for the release of specific information about students without their written permission; this is classified as directory information. The following is considered directory information and it can be released as public information:

1.) Name, address, telephone number, e-mail address
2.) Major field of study
3.) Participation in intercollegiate athletics, including height and weight
4.) Dates of attendance and enrollment status
5.) Degrees, honors, and awards received
6.) Previous educational agencies or institutions attended

NOTE: A student who objects to having his/her directory information released must file a notice of objection with the Dean of Enrollment Services. A "confidentiality hold" will then be placed on the computer.

A student may inspect any permanent record that contains information about the student. To do so, the student must request permission to inspect the files in writing and allow the Office of Admissions and Records reasonable time to comply with the request. Information may be produced within 45 days from receipt of the written request.

Adult Education

The Highland Adult Education Program provides the adult student with the opportunity to assess and achieve educational skills that should be valuable in meeting high school equivalency requirements, entering into training programs, promotion in industry, admission to college, or for personal satisfaction. Instruction uses adult-oriented materials, computer-aided instruction and volunteers to support adults in acquiring skills and knowledge needed to meet their goals.

GED Preparation prepares students to take the GED test through individualized study in math, writing, social studies, science, literature, and the Constitution test. GED testing services are provided through the Regional Office of Education. Instructional options: classroom, computerized, one-on-one, video, and on-line.

GED On-line uses structured web-based instruction that prepares learners for successful GED completion. An Adult Education instructor provides periodic assessment and support.

GED Plus is a series of classes and services designed to transition GED grads to employment or higher education. Components include: GED test preparation, Computer Basics, Short-term Training, Transition Workshops, and meetings with an HCC or employment advisor.

Students in **Adult Basic Skills classes** learn basic skills in reading, math, industrial math, writing, and basic computer applications. (Tutors are available for adults desiring to focus on skill development.)

English as a Second Language (ESL) classes offer non-English speaking adults an opportunity to learn basic English. Foreign-born adults with some knowledge of English may improve their reading, speaking, and writing skills in intermediate and upper-level ESL classes.

Computer Basics is a four-week course that includes an introduction to using the computer, keyboarding and basic word processing. Software discussed includes Windows Operating System, Microsoft Word, and Internet use.

Short-term Training is a computer-based instructional program to help students learn to practice and apply basic entry-level skills in food service, health, maintenance, retail, clerical, and customer service as well as basic keyboarding. Students may get tips on job search, interviewing, and may develop a resume in a one-on-one format.

The **Even Start Family Literacy program** offers a parent of a child aged birth-8 the opportunity to participate in a range of free services to supplement their Adult Education classes including: Early Childhood Education while the parent attends class, Parent/child activities, and Parenting Education.

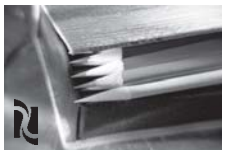
There is no tuition charge for the regularly scheduled Adult Education Programs. This program is offered on the HCC campus and at HCC West in Elizabeth, Savanna, and Mt. Morris. For more information about Adult Education classes, call 815/599-3460.

Community Education

Community Education courses are non-credit and non-vocational, and are geared to appeal to the general public. Courses may include skills, homemaking, arts/crafts, hobby/leisure activities, personal development, foreign languages, music, health, physical education, and general education.

The Senior College

Senior College courses are designed specifically for students ages 50 years and older. For information, call 815/599-3418.



Retired and Senior Volunteer Program

Highland serves as a sponsoring organization for RSVP, the Retired and Senior Volunteer Program. This Corporation for National Service Program places adult volunteers who are age 55 and over with educational, social, and service organizations in the role of providing volunteer service to the community. In addition to providing transportation, assistance with mailings, and aides in nursing homes and schools, RSVP volunteers provide specific services and programs to communities in the College district. For further information about the RSVP program, call 815/599-3491.

Business Institute

Businesses, large and small, need to keep up with the changing marketplace, changing technology, and changing customer demands. For many, remaining competitive depends on your employees learning new skills and knowledge while your organizations refines its procedures and processes. Businesses that invest in training their employees know they can back in productivity and safety far more than the cost of training.

From assessment to solution, the Business Institute at Highland Community College has provided high quality workforce training to local companies and organizations. For more that 14 years, the Institute's consultants, trainers, and program managers have years of industry-specific experience and are carefully chosen to match each client's company culture. The Business Institute takes pride in ensuring that both the training design and delivery is compatible with your company's specific workforce needs.

Highland's Business Institute is the right choice for companies seeking to excel in a fast-moving and competitive marketplace. Call 815/232-1362 for more details on:

- Effective business practices and supervisory training
- Lean manufacturing and manufacturing process
- Quality programs
- Survival Spanish
- Computer training

Clients include employers with 7 employees and those with more than 300. Partnering with the chambers of commerce, programs are offered to meet the specific work schedules and staffing demands of all small businesses.

In addition to helping your business coordinate its training needs, the Business Institute works with a variety of state agencies that offer training grants to offset the cost of workforce development training. Highland's Business Institute will not only help local business and industry employers obtain available grants, but is available to help provide the necessary administration of the grant funds.

For more information, contact the Business Institute at 815/232-1362, fax 815/232-1366, or e-mail BusinessInstitute@highland.edu.

Small Business Development Center

The Highland Community College Small Business Development Center (SBDC) through the Highland Business Institute can help both current business owners and start-up ventures. Serving a six-county area in northwest Illinois (Jo Daviess, Stephenson, Carroll, Ogle, Whiteside, and Lee), the SBDC serves as a guide for small businesses and source for business information.

The following services are provided by the SBDC:

- Help with business decisions - The SBDC offers confidential one-on-one business counseling with the SBDC Coordinator.
- Financial analysis and loan packaging assistance - Get help determining your financial needs and find out what bank loan officers require from your business to meet those needs.
- Comprehensive business plan - Learn what components comprise a business plan and how to "get your thoughts on paper."
- Marketing strategy - The SBDC will help you use the four Ps (price, product, placement, and promotion) to develop a strategic marketing plan tailored for your business.
- Government programs - Through a network of resources, the SBDC is able to provide contacts and information regarding loans and government-backed programs.

New programs are under development. Call for details. Schedule an appointment with the SBDC Director at

815/599-3654 in Freeport,
815/288-5511, ext. 1320 in Dixon

Illinois Articulation Initiative

The Illinois Articulation Initiative (IAI) is a comprehensive, statewide articulation effort among colleges and universities in Illinois. The purpose of the Illinois Articulation Initiative is to identify common curriculum requirements across associate and baccalaureate degrees and across institutions in order to facilitate student transfer. The Illinois Transferable General Education Core Curriculum identifies the common general education coursework. The Board of Higher Education's policies on transfer ask community and junior colleges to incorporate the Illinois transferable General Education Core Curriculum into their requirements for AA and AS degrees.

The Baccalaureate Majors' Recommendations build on the transferable General Education Core Curriculum by identifying major and prerequisite courses that students need to complete to transfer as a junior into the specific major. Each major recommendation explicitly encourages community and junior college students to complete an AA or AS degree prior to transfer.

Associate and baccalaureate degree-granting institutions are equal partners in providing the first two years of baccalaureate degree programs in Illinois. While each institution is ultimately responsible for the quality of the programs it provides, both associate and baccalaureate degree-granting institutions are expected to work together to assure that their lower-division baccalaureate programs are comparable in scope, quality, and intellectual rigor.

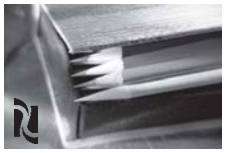
Any student admitted in transfer to an Illinois baccalaureate degree-granting institution should be granted standing comparable to current students who have completed the same number of baccalaureate-level credit hours and should be able to progress toward degree completion at a rate comparable to that of students who entered the baccalaureate institution as first-time freshmen. To assure students of comparable treatment, it is expected that:

1. Students admitted in transfer who have earned an Associate of Arts or an Associate of Science degree from a regionally accredited Illinois community or junior college whose general-education requirement for the degree incorporates the Illinois General Education Core Curriculum will have met the receiving institution's all-campus, lower division, general education requirement for the baccalaureate degree. A receiving institution may, however, require admitted transfer students to complete an institution-wide and/or mission-related graduation requirement that is beyond the scope of the Illinois General Education Core Curriculum.
2. Students admitted in transfer who have satisfactorily completed the Illinois General Education Core Curriculum at any regionally accredited Illinois college or university prior to transfer should be granted credit in lieu of the receiving institution's all-campus, lower division general education requirement for an associate or baccalaureate degree. A receiving institution may, however, require admitted transfer students to complete an institution-wide and/or mission-related graduation requirement that is beyond the scope of the Illinois General Education Core Curriculum.
3. Students admitted in transfer who have satisfactorily completed courses within the Illinois General Education Core Curriculum at a regionally accredited Illinois college or university should be granted credit towards fulfilling the receiving institution's comparable all-campus, lower division general education requirement.
4. Students admitted in transfer who have met program entry requirements and have satisfactorily completed courses described in an Illinois Articulation Initiative Baccalaureate Major Curriculum Recommendation at a regionally accredited Illinois college or university should be granted credit towards fulfilling the receiving institution's comparable lower division requirements for that specific major. Where admission is competitive, completion of a Baccalaureate Major Recommendation does not guarantee admission.

Highland's Participation in the Illinois Articulation Initiative

As a participant in the Illinois Articulation Initiative, Highland Community College will observe the following procedures concerning the adoption and implementation of the agreements associated with the IAI:

- The IAI agreement went into effect for students entering an associate or baccalaureate degree-granting institution as a first-time freshman in the summer of 1998 and thereafter. In anticipation of this initiative, Highland implemented the transferable General Education Core Curriculum, effective with the fall of 1997.



- Completion of the AA or AS degrees starting with the 1998-1999 school year will be certified as completing the IAI General Education Core Curriculum.
- Students must formally request the Office of Admissions and Records to certify the completion of the IAI General Education Core Curriculum by checking the appropriate box on the Transcript Request Form.
- Completion of the IAI General Education Core Curriculum will be noted on the official transcript.
- Highland will recognize all of the courses on the approved list of courses taken at any participating college or university for credit toward fulfilling Highland's core curriculum requirements.
- Courses with a grade of "D" are acceptable for evaluation for the core curriculum requirements; however, a minimum grade of "C" is required in both writing classes required in the Communications component of the IAI General Education Core Curriculum. Students must have a minimum cumulative 2.0 GPA in order to be certified as having completed the IAI General Education Core Curriculum and to receive an AA or AS degree.
- In order to be certified as having completed the transferable IAI General Education Core Curriculum, students need to complete a minimum of 15 credit hours of the core in residence at Highland Community College.
- Evaluation of courses taken at out-of-state or at non-participating in-state, accredited colleges and universities will be completed by the Office of Admissions and Records upon receipt of official academic transcripts. Courses accepted in transfer may apply to AA or AS degree requirement, but may not be certified under the IAI General Education Core Curriculum.
- Students transferring into Highland who have not earned baccalaureate-oriented AA or AS degrees prior to attending Highland and who have not been certified as having fulfilled the IAI General Education Core Curriculum must fulfill Highland's core curriculum requirements in order to earn AA, AS, or AES degrees.
- Students who do not complete the core curriculum at Highland may not transfer credits back to complete the core. However, students may continue to transfer back a maximum of 15 credit hours to complete a degree.
- Highland Community College will waive a fraction of a semester hour completed in an approved course of the core at a participating college or university. However, students must complete a minimum of 40-42 semester hours to satisfy the Highland College core curriculum requirements.
- While the major core courses identified in Phase II will be accepted in transfer by baccalaureate institutions, it is understood that they may or may not substitute for professional coursework required for the major. The courses will be accepted as general electives if not accepted as core or elective courses in the major.
- Students who have not decided on a major should begin their studies by enrolling in courses within the transferable IAI General Education Core Curriculum. They should seek assistance from an academic advisor regarding career planning since delay in selecting a major may extend the time necessary to complete a degree. Furthermore, once a student has begun work in a particular major, a change in major may increase the number of credits needed to complete a bachelor's degree because some courses completed for the original major may no longer fulfill the requirements for the new major.

All Highland Community College courses that apply to IAI General Education Core Curriculum and Major areas will have an official IAI course code listed at the end of each course description. Please refer to the course description section of this catalog that begins on page 123.

NOTE: Updated, state-approved lists of General Education and Major area courses are available on the internet at: http://www.iTransfer.org

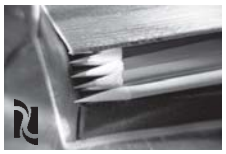
Academic Programs

Programs Available

Highland Community College offers educational programs designed to transfer into a baccalaureate program at senior institutions, lead directly to employment, or satisfy a special interest. The College offers programs of study leading to associate degrees and a variety of certificates. Students who plan to transfer to earn a baccalaureate degree should plan to earn an Associate of Arts or an Associate of Arts in Teaching (ICCB/IBHE Approval Pending), Associate of Science degree and in some instances an Associate of Engineering Science degree. Students who desire to develop an individualized program of study to meet their personal and vocational goals may earn the Associate of General Studies degree. Students who desire to take course work leading directly to employment should enroll in a Certificate Program or an Associate of Applied Science degree.

General Requirements for an Associate Degree:

1. Enrollment at Highland for the last 12 approved semester hours applied to a degree preceding graduation or earning at least 30 approved semester hours of credit at Highland.
2. Successful completion of at least 62 semester hours of college credit.
3. Successful completion of courses in a curriculum of study as presented in this catalog and aligned with the designated major field of study.
4. A passing grade on the test covering the Constitutions of the State of Illinois and of the United States as required by Senate Bill 195. Successful completion of the test in high school satisfies this requirement.
5. One year of high school geometry with a grade of "C" or better, or a score of 10 or above on the ACT Geometry section or placement test proficiency.
6. A cumulative grade point of 2.0 (C) or higher based on credits earned at Highland and any credit accepted in transfer.
7. Courses with "F" grade will not count toward the total semester hours required for graduation.
8. A maximum of four (4) hours towards the general education electives requirements and the Associate of Arts and Associate of Science degree may be taken in activities courses such as speech and theatre, physical education, and music. Highland Community College recognizes the importance of educating its students in a wide range of course curricula to prepare them for the responsibilities that they share as citizens in a free and changing society. Each student who receives a degree from Highland Community College will be required to complete a series of general education courses.



Associate of Arts Degree Requirements

These requirements are for students planning to transfer to four-year colleges or universities. Associate of Arts program guidelines are listed in the program description portion of this catalog that begins on page 47.

Communications — 9 Semester Hours

All courses are 3 credit hours

ENGL 121 Rhetoric and Composition I
ENGL 122 Rhetoric and Composition II
SPCH 191 Fundamentals of Speech

Humanities and Fine Arts — 12 Semester Hours

At least one course must be chosen from Fine Arts and one course must be chosen from Humanities.

Humanities (all courses are 3 credit hours unless indicated by a number in parenthesis)

ENGL 223 Introduction to Fiction
ENGL 224 Introduction to Poetry
ENGL 225 American Literature I
ENGL 226 American Literature II
ENGL 227 British Literature I
ENGL 228 British Literature II
ENGL 229 Introduction to Shakespeare
PHIL 180 Survey of World Religions
PHIL 281 Introduction to Philosophy
PHIL 282 Ethics

Fine Arts (all courses are 3 credit hours unless indicated by a number in parenthesis)

ART 110 Introduction to Art
ART 215 Art History I
ART 216 Art History II
ART 219 Art History III
HUMA 104 Introduction to Humanities
HUMA 106 Introduction to Humanities II
MUS 267 Introduction to Music
MUS 268 Introduction to Music of the USA
SPCH 290 Introduction to Film
THEA 196 Introduction to Theatre

Mathematics — 3 Semester Hours

Credit hours are noted in parenthesis

MATH 165 Quantitative Literacy in Math (4)
MATH 168 Analytic Geometry & Calculus I (5)
MATH 171 Finite Mathematics (4)
MATH 172 Calculus for Business & Social Science (3)
MATH 174 Math for Elementary Teachers II (3)
MATH 177 Statistics (3)
MATH 268 Analytic Geometry & Calculus II (5)
MATH 269 Analytic Geometry & Calculus III (4)

Physical and Life Science — 7 Semester Hours

At least one course must be chosen from Life Sciences and one course chosen from Physical Sciences. One course must include a laboratory. Credit hours are noted in parenthesis. Courses indicating 4 or 5 credit hours will automatically have a laboratory component included in the course.

Life Sciences

BIOL 109 Plants and Society (3)
BIOL 110 Principles of Biology (4)
BIOL 116 Introduction to Ecology (4)
BIOL 120 Foundations of Anatomy and Physiology (5)
BIOL 124 Microbes and Society (3)
BIOL 213 Anatomy and Physiology I (4)

Physical Sciences

CHEM 120 General Chemistry (4)
CHEM 123 General College Chemistry I (5)
GEOL 126 Geology (4)
NSCI 131 Physical Science (3)
NSCI 131 Physical Science Lab (1)
NSCI 132 Physical Geography (4)
NSCI 133 Introduction to Astronomy with Lab (4)
NSCI 134 Introduction to Astronomy (3)
NSCI 232 Fundamentals of Meteorology (3)
NSCI 232 Meteorology Lab (1)
PHYS 141 Introductory Physics I (4)
PHYS 143 General Physics I (4)

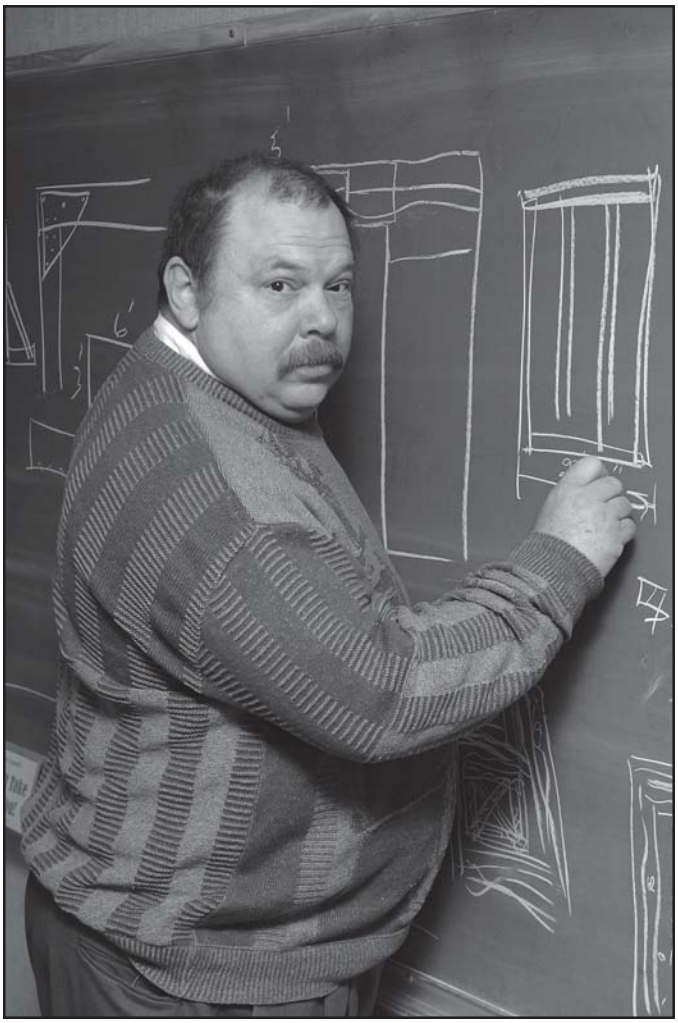
Social and Behavioral Sciences 9 Semester Hours

At least one course must be chosen from HIST or POL and course selections must include two different subject areas. All courses are 3 credit hours.

ECON 111	Principles of Economics I
ECON 112	Principles of Economics II
GEOG 132	Regional Geography of the World
GEOG 233	Economic Geography
HIST 141	Western Civilization I
HIST 142	Western Civilization II
HIST 143	U. S. History I
HIST 144	U. S. History II
HIST 243	History of Africa I
HIST 244	History of Africa II
POL 151	Introduction to Political Science
POL 152	American Government & Politics
POL 153	State and Local Government
POL 253	International Relations
POL 254	Introduction to Comparative Government
PSY 161	Introduction to Psychology
PSY 162	Child Psychology
PSY 262	Human Growth & Development
PSY 264	Social Psychology
SOCI 171	Introduction to Sociology
SOCI 177	Introduction to Anthropology
SOCI 210	Introduction to Archaeology
SOCI 271	Social Problems
SOCI 274	The Family
SOCI 276	Racism and Diversity in Contemporary Society

Major/Minor Electives 22 Semester Hours

MINIMUM HOURS FOR DEGREE:
62 Semester Hours



Associate of Science Degree Requirements

These requirements are for students planning to transfer to four-year colleges or universities. Associate of Science program guidelines are listed in the program description portion of this catalog that begins on page 47.

Communications — 9 Semester Hours

All courses are 3 credit hours

ENGL 121 Rhetoric and Composition I
ENGL 122 Rhetoric and Composition II
SPCH 191 Fundamentals of Speech

Humanities and Fine Arts — 9 Semester Hours

At least one course must be chosen from Fine Arts and one course must be chosen from Humanities.

Humanities (all courses are 3 credit hours unless indicated by a number in parenthesis)

ENGL 223 Introduction to Fiction
ENGL 224 Introduction to Poetry
ENGL 225 American Literature I
ENGL 226 American Literature II
ENGL 227 British Literature I
ENGL 228 British Literature II
ENGL 229 Introduction to Shakespeare
PHIL 180 Survey of World Religions
PHIL 281 Introduction to Philosophy
PHIL 282 Ethics

Fine Arts (all courses are 3 credit hours unless indicated by a number in parenthesis)

ART 110 Introduction to Art
ART 215 Art History I
ART 216 Art History II
ART 219 Art History III
HUMA 104 Introduction to Humanities
HUMA 106 Introduction to Humanities II
MUS 267 Introduction to Music
MUS 268 Introduction to Music of the USA
SPCH 290 Introduction to Film
THEA 196 Introduction to Theatre

Mathematics — 7 Semester Hours

Credit hours are noted in parenthesis

MATH 165 Quantitative Literacy in Math (4)
MATH 168 Analytic Geometry & Calculus I (5)
MATH 171 Finite Mathematics (4)
MATH 172 Calculus for Business & Social Science (3)
MATH 174 Math for Elementary Teachers II (3)
MATH 177 Statistics (3)
MATH 268 Analytic Geometry & Calculus II (5)
MATH 269 Analytic Geometry & Calculus III (4)

Physical and Life Science — 8 Semester Hours

At least one course must be chosen from Life Sciences and one course chosen from Physical Sciences. Both courses must include a laboratory. Courses indicating 4 or 5 credit hours will automatically have a laboratory component included in the course.

Life Sciences

BIOL 110 Principles of Biology (4)
BIOL 116 Introduction to Ecology (4)
BIOL 120 Foundations of Anatomy and Physiology (5)
BIOL 213 Anatomy and Physiology I (4)

Physical Sciences

CHEM 120 General Chemistry (4)
CHEM 123 General College Chemistry I (5)
GEOL 126 Geology (4)
NSCI 131 Physical Science (3)
NSCI 131 Physical Science Lab (1)
NSCI 132 Physical Geography (4)
NSCI 133 Introduction to Astronomy with lab (4)
NSCI 232 Fundamentals of Meteorology (3)
NSCI 232 Meteorology Lab (1)
PHYS 141 Introductory Physics I (4)
PHYS 143 General Physics I (4)

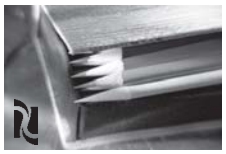
Social and Behavioral Sciences 9 Semester Hours

At least one course must be chosen from HIST or POL and course selections must include two different subject areas. All courses are 3 credit hours.

ECON 111	Principles of Economics I
ECON 112	Principles of Economics II
GEOG 132	Regional Geography of the World
GEOG 233	Economic Geography
HIST 141	Western Civilization I
HIST 142	Western Civilization II
HIST 143	U. S. History I
HIST 144	U. S. History II
HIST 143	History of Africa I
HIST 244	History of Africa II
POL 151	Introduction to Political Science
POL 152	American Government & Politics
POL 153	State and Local Government
POL 253	International Relations
POL 254	Introduction to Comparative Government
PSY 161	Introduction to Psychology
PSY 162	Child Psychology
PSY 262	Human Growth & Development
PSY 264	Social Psychology
SOCI 171	Introduction to Sociology
SOCI 177	Introduction to Anthropology
SOCI 210	Introduction to Archaeology
SOCI 271	Social Problems
SOCI 274	The Family
SOCI 276	Racism & Diversity in Contemporary Society

Major/Minor Electives 20 Semester Hours

MINIMUM HOURS FOR DEGREE:
62 Semester Hours



Associate of Engineering Science Degree Requirements

These requirements are for students planning to transfer to four-year colleges or universities. Associate of Engineering Science program guideline is listed in the program description portion of this catalog that begins on page 47.

Communications 9 Semester Hours

All courses are 3 credit hours

ENGL 121 Rhetoric and Composition I
ENGL 122 Rhetoric and Composition II
SPCH 191 Fundamentals of Speech

Humanities and Fine Arts 9 Semester Hours

Some transfer institutions prefer a two-course sequence for this requirement: (See an academic advisor for appropriate course selections).

Humanities (all courses are 3 credit hours unless indicated by a number in parenthesis)

ENGL 223 Introduction to Fiction
ENGL 224 Introduction to Poetry
ENGL 225 American Literature I
ENGL 226 American Literature II
ENGL 227 British Literature I
ENGL 228 British Literature II
ENGL 229 Introduction to Shakespeare
PHIL 180 Survey of World Religions
PHIL 281 Introduction to Philosophy
PHIL 282 Ethics

Fine Arts (all courses are 3 credit hours unless indicated by a number in parenthesis)

ART 110 Introduction to Art
ART 215 Art History I
ART 216 Art History II
ART 219 Art History III
HUMA 104 Introduction to Humanities
HUMA 106 Introduction to Humanities II
MUS 267 Introduction to Music
MUS 268 Introduction to Music of the USA
SPCH 290 Introduction to Film
THEA 196 Introduction to Theatre

Social and Behavioral Sciences 9 Semester Hours

Some transfer institutions prefer a two-course sequence for this requirement: (See an academic advisor for appropriate course selections). All courses are 3 credit hours.

ECON 111 Principles of Economics I
ECON 112 Principles of Economics II
GEOG 132 Regional Geography of the World
GEOG 233 Economic Geography
HIST 141 Western Civilization I
HIST 142 Western Civilization II
HIST 143 U. S. History I
HIST 144 U. S. History II
HIST 243 History of Africa I
HIST 244 History of Africa II
POL 151 Introduction to Political Science
POL 152 American Government & Politics
POL 153 State and Local Government
POL 253 International Relations
POL 254 Introduction to Comparative Government
PSY 161 Introduction to Psychology
PSY 162 Child Psychology
PSY 262 Human Growth & Development
PSY 264 Social Psychology
SOCI 171 Introduction to Sociology
SOCI 177 Introduction to Anthropology
SOCI 210 Introduction to Archaeology
SOCI 271 Social Problems
SOCI 274 The Family
SOCI 276 Racism & Diversity in Contemporary Society

Engineering Prerequisite and Specialty Courses 40 Semester Hours

Hours in this area need to be chosen with the help of an advisor so that proper selection is made in regard to the specialty area. Please see page 81 of this catalog for specific course recommendations.

MINIMUM HOURS FOR DEGREE: 67 Semester Hours

Associate of General Studies Degree Requirements

This degree is designed to meet the individual needs of students who have educational goals that are not related to career education or a baccalaureate program. It is not for students who are planning to transfer to a four-year college or university. Students interested in pursuing this degree must complete an approved plan of study with an academic advisor prior to enrolling in the final 32 hours of the program. An advisor or the Dean of Enrollment Services must make all changes to the program.

Communications **6 Semester Hours**

ENGL 121 Rhetoric & Composition I OR
BUSN 141 Management Communications
COMM 101 Technical Communications AND
SPCH 190 Effective Business Speaking OR
SPCH 191 Fundamentals of Speech

Computational Skills **3-4 Semester Hours**

BUSN 125 Mathematics of Business,
BUSN 221 Business Statistics OR
any MATH course numbered 162 or above.

Physical Environment **4 Semester Hours**

Any BIOL, CHEM, GEOL, NSCI, or PHYS lab course, AGRI 284 Introductory Soils, or AGRI 286 Field Crop Science.

Social Environment **6 Semester Hours**

Courses must be chosen from two areas: EDUC, GEOG, HIST, POL, PSY, or SOCI

Business Environment **3 Semester Hours**

HMEC 225 Consumer Economics or any ACCT, BUSN, ECON, INFT course

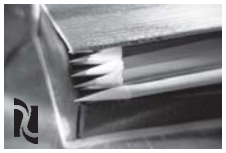
Humanities **3 Semester Hours**

ART 110 Introduction to Art
ART 215 Art History I
ART 216 Art History II
ART 219 Art History III
ENGL 222 Modern Literature
ENGL 223 Introduction to Fiction
ENGL 224 Introduction to Poetry
ENGL 225 American Literature I
ENGL 226 American Literature II
ENGL 227 British Literature I
ENGL 228 British Literature II
ENGL 229 Introduction to Shakespeare
HUMA 104 Introduction to Humanities
HUMA 106 Introduction to Humanities II
HUMA 105 The Arts in Contemporary Society
HUMA 201 Introduction to Women's Studies
MUS 267 Introduction to Music
MUS 268 Introduction to Music of the USA
MUS 269 Modern American Music/Study of Rock & Roll
PHIL 180 Survey of World Religions
PHIL 185 Introduction to Religion
PHIL 281 Introduction to Philosophy
PHIL 282 Ethics
PHIL 283 Introduction to Logic
SPCH 193 Oral Interpretation of Literature
SPCH 194 Introduction to Broadcasting
SPCH 195 Radio and Television Production
SPCH 290 Introduction to Film
SPCH 291 Non-Verbal Communication
SPCH 292 Contemporary Argumentation
SPCH 293 Small Group Communication
SPCH 294 Leadership Development
THEA 187 Introduction to Technical Theatre I
THEA 196 Introduction to Theatre
THEA 296 Introduction to Technical Theatre II

Major/Minor Electives **36-37 Semester Hours**

Chosen by student and Academic Advisor. Any course designated as T, V, or O in the course description section of this catalog may be chosen.

MINIMUM HOURS FOR DEGREE:
62 Semester Hours



Associate of Applied Science Degree Requirements

This degree offers students the opportunity to complete a two-year occupational or career-oriented degree. This degree is not intended for transfer to a four-year college or university. General education courses comprise 25% of the course requirements of each program. Specific program requirements for each of the several Associate of Applied Science degree programs are listed in the program description portion of this catalog.

Certificate Programs

Certificate programs require six to 66 credit hours for completion. These programs are career-oriented, and are not intended for transfer to a four-year college or university. Specific program requirements for each of the several certificate programs are listed in the program description portion of this catalog.

Comprehensive Agreement and Cooperative Agreement Programs

Highland Community College has a Comprehensive Agreement with Carl Sandburg College, Illinois Central College, Illinois Valley Community College, Kishwaukee College, Sauk Valley College, and Waubonsee College. This agreement allows students from the Highland Community College district to enroll in any ICCB approved occupational credit-bearing certificate or applied science degree program not offered by Highland Community College. Enrollment requires the approval of the Highland Community College Vice President of Academic and Student Services.

Program courses covered by the Comprehensive Agreement are usually offered at the college with the approved program or certificate but some courses may also be offered at Highland Community College. Tuition is paid to the college offering the courses that the student enrolls in any semester.

Highland Community College has a Cooperative Agreement with Rock Valley College providing Highland Community College district students access to the programs listed below.

Cooperative Agreement with Rock Valley College:

Aviation Maintenance Technology (AAS/Certificate)
Building Construction Technology (AAS/Certificate)
Criminal Justice (AAS/Certificate)
Fire Science (AAS/Certificate)
Quality Engineering Technology (AAS/Certificate)
Respiratory Therapy (AAS)
Surgical Technology (Certificate)
Dental Hygiene (AAS)

Students interested in programs not offered at Highland Community College should make initial contact with the office of Admissions and Records for more information. Required forms and final approval will need to be obtained from the office of the Vice President of Academic and Student Services.

ACCOUNTING (203)

Associate of Applied Science

ABOUT OUR PROGRAM

This degree program prepares the student for entry-level positions in private business and industry by offering a wide variety of courses in accounting, business, data processing, mathematics, communications, writing, and economics.

NATURE OF WORK AND EMPLOYMENT

Accountants maintain records, prepare and analyze financial reports, and participate directly in the management of business and other organizations. Other duties may include auditing accounts and records, certifying financial statements, and payroll. Job positions include accounting technician, accounting assistant, accounting trainee, clerk, and bookkeeper.

SPECIAL CONSIDERATIONS

Students who are interested in a Bachelor's degree in Accounting or pursuing a CPA should follow the guidelines for the Associate of Science in Business Administration transfer program.

The program may be tailored toward further degree work. Students should check with the Accounting faculty or an academic advisor to see if this program might meet their needs for future degree work.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology

Mr. Craig Pence, Accounting Faculty

Required Business Courses — 46 Sem. Hrs

	ACCT	105	Elements of Accounting	3
*	ACCT	115	Computer Applications/Accounting	2
*	ACCT	116	Introduction to Payroll Accounting	2
*	ACCT	211	Federal Income Tax Accounting	3
*	ACCT	213	Financial Accounting	4
*	ACCT	214	Managerial Accounting	4
*	BUSN	121	Introduction to Business	
		- or -		3
	BUSN	124	Introduction to Small Business	
*	BUSN	125	Mathematics of Business	3
*	BUSN	223	Business Law I	3
*	BUSN	224	Business Law II	3
*	BUSN	249	Principles of Management	3
*	ECON	111	Principles of Economics I	3
*	ECON	112	Principles of Economics II	3
*	INFT	131	Microsoft Word for Windows	1
*	INFT	140	Beginning Excel	1
*	INFT	142	Advanced Excel	1
*	INFT	145	Beginning Access	1
*	INFT	180	Introduction to Information Systems	3

Related Required Courses — 18 Sem. Hours

	Accounting, Business or General Education Elective			12
*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
	SPCH	191	Fundamentals of Speech	3

Total Hours = 64

* Course has a prerequisite. See course descriptions.

General Education Electives:
ART, BIOL, CHEM, EDUC, ENGL, FREN, GEOG, GEOL, GERM, HIST, HMEC, HUMA, JOUR, LIBS, MATH, MUS, NSCI, PHIL, PHYD, PHYS, POL, PSY, RUSS, SOCI, SPAN, SPCH, THEA

ACCOUNTING (213)

Certificate Program

ABOUT OUR PROGRAM

This certificate program prepares students for entry-level positions in private business and industry.

NATURE OF WORK AND EMPLOYMENT

Job positions that are available include: accounting clerk, bookkeeper, accounting assistant, trainee, or technician.

SPECIAL CONSIDERATIONS

This program develops specialized skills in the accounting and business area. For a wider range of skills such as word processing, software package usage, and management, students should consider one of the degree programs offered in Accounting or in related business areas.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean Business and Technology
Mr. Craig Pence, Accounting Faculty

Required Business Courses — 21 Sem. Hours

	ACCT	105	Elements of Accounting	3
*	ACCT	115	Computer Applications/Accounting	2
	ACCT	116	Introduction to Payroll Accounting	2
	ACCT	211	Federal Income Tax Accounting	3
*	ACCT	213	Financial Accounting	4
*	ACCT	214	Managerial Accounting	4
*	INFT	140	Beginning Excel	1
*	INFT	142	Advanced Excel	1
*	INFT	145	Beginning Access	1

Related Required Courses — 6 Sem. Hours

*	BUSN	125	Mathematics of Business	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3

Total Hours = 27

*Course has a prerequisite. See course description.

ACCOUNTS CLERK (214)

Certificate Program

ABOUT OUR PROGRAM

This certificate program prepares students for entry-level as an accounting clerk or office specialist in a small business.

NATURE OF WORK AND EMPLOYMENT

Job positions that are available include: accounting clerk, bookkeeper, accounting assistant, trainee, or technician.

SPECIAL CONSIDERATIONS

This program develops specialized skills in the accounting and business area. For a wider range of skills, such as word processing, software package usage, and management, students should consider one of the degree programs offered in Accounting or in related business areas.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean Business and Technology

Mr. Craig Pence, Accounting Faculty

Required Business Courses — 18 Sem. Hours

	ACCT	102	Fundamentals of Bookkeeping	
		-or-		3
	ACCT	105	Elements of Accounting	
	ACCT	115	Computer Applications/Accounting	2
	ACCT	116	Introduction to Payroll Accounting	2
*	BMAC	142	Electronic Calculator	1
*	BUSN	124	Introduction to Small Business	3
*	BUSN	125	Mathematics of Business	3
	Communications (BUSN141, COMM101, or ENGL121)			3
*	INFT	140	Beginning Excel	1

Total Hours = 18

* Course has a prerequisite. See course descriptions.

AGRICULTURE (402)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program and includes the general education and agriculture courses required of the transfer student. This program provides a solid foundation in the essential elements of the agriculture curriculum. Students may transfer to a wide variety of institutions to complete their baccalaureate degree.

NATURE OF WORK AND EMPLOYMENT

After completing a Bachelor's Degree, students may find employment in a wide variety of fields due to the all-encompassing nature of agriculture and its related products and services. Some job titles and duties include farm manager, teacher, equipment sales, finance, feed sales, and forestry consultant.

SPECIAL CONSIDERATIONS

The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Jim Setterstrom, Agriculture/Business Faculty
Mr. Bart Macomber, Agriculture/Economics Faculty

FIRST SEMESTER — 16/17 Sem. Hours

	AGRI	186	Introduction to Animal Science	4
*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
*	MATH	165	Quantitative Literacy in Mathematics	
		- or -		4/5
*	MATH	168	Analytic Geometry & Calculus I	

SECOND SEMESTER — 19 Sem. Hours

	AGRI	286	Field Crop Science	4
*	ENGL	122	Rhetoric and Composition II	3
	SPCH	191	Fundamentals of Speech	3
	HIST/POL Requirement			3
	Humanities/Fine Arts Requirement			3
	Social Science Elective			3

THIRD SEMESTER — 17/18 Sem. Hours

	AGRI	284	Introduction to Soils	4
	BIOL	110	Principles of Biology	4
*	MATH	171	Finite Mathematics	
		- or -		3/4
*	MATH	177	Statistics	
	Humanities/Fine Arts Requirement			3
	Social/Behavioral Science Requirement			3

FOURTH SEMESTER — 16 Sem. Hours

	AGRI	182	Introduction to Ag Mechanization	3
	AGRI	184	Introduction to Ag Economics	3
*	BIOL	111	General Botany	
		- or -		4
*	BIOL	211	General Microbiology	
	Humanities/Fine Arts Requirement			3
	Social/Behavioral Science Requirement			3

Total Hours = 68/70

*Course has a prerequisite. See course descriptions.

AGRICULTURAL MANAGEMENT (630)

Associate of Applied Science

ABOUT OUR PROGRAM

This program prepares students for employment or self-employment in agricultural business, general production, or a dairy-herd management specialty. Students enroll in a core of agricultural and general-education courses. Each student will choose an emphasis area to complete the degree. Students who complete the Agricultural Production Certificate (605) may apply all of those courses to this degree program.

NATURE OF WORK AND EMPLOYMENT

Career paths include work with agricultural chemicals, feeds, fertilizers, grains, seeds, and other business fields. Specific jobs on farms include farm operator and farm/herd manager. Employment potential for this occupation is very good with a wide variety of agri-business and entrepreneurship opportunities.

SPECIAL CONSIDERATIONS

Students may wish to seek advice about transfer information in the field or about the Agriculture transfer degree listed in this catalog.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Jim Setterstrom, Agriculture/Business Faculty
Mr. Bart Macomber, Agriculture/Economics Faculty

Required Agriculture Courses — 22 Sem. Hours

*	AGOC	120	Principles of Farm Management	4
	AGOC	124	Economics of Agricultural Production	3
	AGOC	229	Agri-Business Seminar	3
	AGRI	186	Introduction to Animal Science	4
	AGRI	284	Introduction to Soils	4
	AGRI	286	Field Crop Science	4

Related Required Courses — 46 Sem. Hours

*	BUSN	125	Mathematics of Business	3
	HMEC	225	Consumer Economics	3
*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
	INFT Elective(s)			3
	General Education Electives			6
	Selected courses from Emphasis Area or Electives			28

Minimum Total Hours = 68

** Agri-Business Emphasis
Required Courses — 9 Sem. Hours

AGOC	220	Financing Agriculture Production	3
AGOC	221	Ag Policies, Programs, Legal Problems	3
AGOC	222	Marketing Agricultural Products	3

Suggested Electives
ACCT, AGOC, AGRI, BUSN, ECON, INFT

** General Production Emphasis
Required Courses — 10 Sem. Hours

AGRI	182	Introductory Agricultural Mechanization	3
OCED	290	Workplace Experience	4
WELD	130	Introduction to Welding	3

Suggested Electives
AGOC, AGRI, BIOL, CHEM, GEOL, HORT, NSCI

**Dairy Herd Management Emphasis
Required Courses — 24 Sem. Hours

AGOC	142	Livestock Facilities & Waste Mgmt.	3
AGOC	144	Evaluation of Dairy Animals	2
AGOC	145	Dairy Production	3
AGOC	223	The Dairy Industry	3
AGOC	224	Artificial Insemination	2
AGOC	226	Feed and Livestock Industry	4
AGOC	245	Dairy Management	3
OCED	290	Workplace Experience	4

Suggested Electives
AGOC, AGRI, BUSN, INFT, SPAN, WELD

Additional electives for each emphasis area may be selected from the following: ART, BIOL, CHEM, EDUC, ENGL, FREN, GEOG, GEOL, GERM, HIST, HUMA, JOUR, LIBS, MATH, MUS, NSCI, PHIL, PHYD, PHYS, POL, PSY, RUSS, SOCI, SPAN, SPCH, and THEA.

*Course has a prerequisite. See course descriptions.

AGRICULTURAL PRODUCTION (605)

Certificate Program

ABOUT OUR PROGRAM

The Agricultural Production program provides the technical skills and occupational basics for the person wishing to enter or upgrade his/her skills. Students choosing the General Agriculture emphasis may focus on agri-business, livestock, or crops following program completion. The Dairy Milker emphasis is a specific area of study that focuses on productivity, efficiency, and safety in modern practices of milking dairy cattle.

NATURE OF WORK AND EMPLOYMENT

Students completing this program will be qualified to engage in actual day-to-day operations of agricultural production either through direct ownership or as a manager of one or several facilities. Program graduates may operate a livestock, crop, or dairy production enterprise or serve as technical support in an agri-business. There are a variety of entrepreneurship or employment opportunities for the student who has an interest and technical ability in this area. The skills evolving from this program will provide the solid foundation needed for the practitioner or manager to operate successfully in today's highly competitive agricultural market.

SPECIAL CONSIDERATIONS

Students in this program must show satisfactory communications and mathematics achievement on the placement tests or completion of COMM090 and MATH 061 or equivalent.

Students may wish to seek advice about transfer information in the field or about the Agriculture transfer degree listed in this catalog.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Jim Setterstrom, Agriculture/Business Faculty
Mr. Bart Macomber, Agriculture/Economics Faculty

Required Courses — 30 Sem. Hours

	AGOC	124	Economics of Ag Production	3
*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
	HMEC	225	Consumer Economics	3
*	INFT	180	Intro to Information Systems	3
	Select courses from emphasis area or elective			18

Total Hours 30

** General Agriculture Emphasis

Required courses — 7 Sem. Hours

*	AGOC	120	Principles of Farm Management	4
	AGOC	229	Agri-Business Seminar	3

Suggested courses

	AGOC	240	Farm Business Records	3
	AGRI	186	Introduction to Animal Science	4
	AGRI	284	Introduction to Soils	4

Electives

Chosen from any course in AGOC, AGRI, BUSN, ECON, INFT, and WELD

**Dairy Milker Emphasis

Required courses — 5 Sem. Hours

	AGOC	144	Evaluation of Dairy Animals	2
	AGOC	145	Dairy Production	3

Suggested courses

	AGOC	223	The Dairy Industry	3
	AGOC	245	Dairy Management	3
	AGOC	229	Agri-Business Seminar	3

Electives

Chosen from any course in AGOC, AGRI, BUSN, ECON, INFT, and WELD.

* Course has a prerequisite. See course descriptions

ART (301)

Associate of Arts
Emphasis in Graphic Design

ABOUT OUR PROGRAM

This program is designed to provide entry-level skills necessary for entrance in the graphic design field. The program is designed for the student intending to transfer to a college or university to complete a baccalaureate degree in visual art with an emphasis in graphic design. It is possible to complete the two-year program and secure employment using skills learned in graphic design.

NATURE OF WORK AND EMPLOYMENT

Types of employment in the field of art vary widely. Many students who complete an AA degree with an emphasis in art transfer to a four-year institution to pursue the Bachelor of Fine Arts degree, the professional degree for a studio artist. Others choose to pursue a Bachelor's degree in art, with an emphasis in museum education or art history.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plans to transfer are met. Colleges and universities have specific requirements for transfer students.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Sam Tucibat, Graphic Design Faculty
Robert Apolloni, Art Faculty
John Webb, Director of Fine Arts
Dr. Thompson Brandt, Associate Dean Humanities/ Social Science

FIRST SEMESTER — 18 Sem. Hours

	ART	113	Drawing I	3
	ART	115	Basic Design I	3
	ART	215	Art History I	3
*	ENGL	121	Rhetoric and Composition I	3
	SPCH	191	Fundamentals of Speech	3
	HIST/POL Requirement			3

SECOND SEMESTER — 18 Sem. Hours

*	ART	114	Drawing II	3
*	ART	116	Basic Design II	3
*	ART	118	Graphic Design I	3
	ART	216	Art History	3
*	ENGL	122	Rhetoric and Composition II	3
	Social/Behavioral Science Requirement			3

THIRD SEMESTER — 16 Sem. Hours

*	ART	120	Life Drawing	3
*	ART	218	Graphic Design II	3
	ART	219	Modern Art	3
	Mathematics Requirement			3
	Physical/Life Science Requirement			4

FOURTH SEMESTER — 15 Sem. Hours

*	ART	228	Graphic Design III	3
*	ART	238	Graphic Design IV	3
	Physical/Life Science Requirement			3
	Social/Behavioral Science Requirement			3
	Humanities Requirement			3

Total Hours = 67

* Course has a prerequisite. See course descriptions.

ART (302)

Associate of Arts

ABOUT OUR PROGRAM

The program is designed for the student intending to transfer to a college or university to complete a baccalaureate degree in visual art. While it is possible to complete the two-year program and secure basic employment, further education is usually required. Students majoring in this program study art theory, development, history, and application of the core art concepts.

NATURE OF WORK AND EMPLOYMENT

Types of employment in the field of art vary widely. Many students who complete an AA degree with an emphasis in art transfer to a four-year institution to pursue the professional degree for a studio artist, the Bachelor of Fine Arts degree. Others choose to pursue a Bachelor's degree in art with an emphasis in museum education or art history.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that special requirements of the department and institution to which they plan to transfer are met. Colleges and universities have specific requirements for transfer students. Students are encouraged to speak with art faculty members to discuss various four-year degree options in the field of art as well as specific issues regarding their field of study.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Robert Apolloni, Art Faculty

John Webb, Director of Fine Arts

Dr. Thompson Brandt, Associate Dean Humanities/ Social Science

FIRST SEMESTER — 15 Sem. Hours

	ART	113	Drawing I	3
	ART	115	Basic Design I	3
	ART	215	Art History I	3
*	ENGL	121	Rhetoric and Composition I	3
	SPCH	191	Fundamentals of Speech	3

SECOND SEMESTER — 15 Sem. Hours

*	ART	114	Drawing II	3
*	ART	116	Basic Design II	3
	ART	216	Art History II	3
*	ENGL	122	Rhetoric and Composition II	3
	Humanities Elective			3

THIRD SEMESTER — 16 Sem. Hours

	ART	219	Modern Art	3
	Mathematics Requirement			3
	Physical/Life Science Requirement			4
	Social Behavioral Science Requirement			3
	Art Elective			3

FOURTH SEMESTER — 18 Sem. Hours

*	ART	120	Life Drawing I	3
	Physical/Life Science Requirement			3
	Social/Behavioral Science Requirement			3
	Humanities Requirement			3
	HIST/POL Requirement			3
	Art Elective			3

Total Hours = 64

* Course has a prerequisite. See course descriptions.

Art Electives

	ART	117	Pottery I
*	ART	118	Graphic Design I
	ART	119	Sculpture I
	ART	211	Painting I
*	ART	212	Painting II
*	ART	217	Pottery II

AUTO BODY REPAIR (622)

Associate of Applied Science

ABOUT OUR PROGRAM

This program provides instruction in the repair and refinishing of damaged vehicle bodies and components of automobiles and light trucks. Students will learn damage analysis, cost estimation, welding, cutting and repairing fiberglass body parts, auto glass and body trim repair procedures, techniques for the refinishing of repaired surfaces, and how to mix and apply the proper paint to the repaired component of the vehicle. In addition, student will gain a foundation in business and work experience.

NATURE OF WORK AND EMPLOYMENT

Autobody technicians will perform the same types of work whether self-employed or working for someone else. The work consists of providing repair estimates and completing the work in a timely yet cost-effective manner. Repair jobs range from minor repairs to extensive rebuilding and refinishing. In larger facilities, technicians may specialize in certain aspects of the reconstruction process but in the small or independent shop, the technician must be competent in all aspects of the rebuilding process.

As vehicles become increasingly expensive and people choose to retain vehicles for longer periods of time, the field will continue to provide excellent opportunities for employment and advancement for the talented and devoted student.

SPECIAL CONSIDERATIONS

Advanced placement into this program is possible based upon previous autobody course work and/or on-the-job experience in autobody repair. The program follows a competency-based format. The program is accredited through NATEF (National Automotive Technicians Educational Foundation).

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Tom Bergstrom, Auto Body Faculty

Required Auto Body Courses — 40 Sem. Hours

*	AUTB	191	Introduction to Auto Body	3
	AUTB	192	Painting Equipment and Materials	2
	AUTB	294	Damage Analysis	2
	AUTB	180	Auto Electrical Basics	3
*	AUTB	193	Frame and Body Alignment I	4
*	AUTB	194	Auto Body Repair I	3
	AUTB	197	Auto Chassis and Accessory Systems	2
*	AUTB	292	Auto Body Repair II	4
*	AUTB	296	Paint Applications II	5
	AUTB	195	Glass, Upholstery and Trim	2
*	AUTB	280	Advanced Auto Electrical Systems	3
*	AUTB	291	Frame and Body Alignment II	3
*	AUTB	293	Paint Applications I	4

Required Related Courses — 26 Sem. Hours

	Art Lab Elective			3
*	BUSN	125	Mathematics of Business	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	General Business Elective (ECON, BUSN, ACCT)			3
	INFT Electives			3
	OCED	250	Career Seminar	1
	OCED	290	Workplace Experience	4
*	WELD	135	Shield Arc/Ox Welding	3
	WELD	233	Advanced Welding Processes	3

Total Hours = 66

* Course has a prerequisite. See course descriptions.

AUTOMOTIVE MECHANICS (604)

Associate of Applied Science

ABOUT OUR PROGRAM

This program prepares students for employment in the areas of computerized engine controls, air conditioning, transmissions, alignments, brakes, control systems diagnostics and engine service. Certification is possible in Automotive Service Excellence/Master Automobile Technician.

NATURE OF WORK AND EMPLOYMENT

Program graduates may find jobs repairing and servicing mechanical and electrical parts of passenger cars, trucks, buses, and other automotive vehicles. Job openings in the automotive field may be for general technicians or specialists in control systems diagnostics, engines, brakes, drive trains, transmissions, steering/suspension, electrical systems, tune-up/emission control, or heating and air conditioning. The outlook for employment in this occupation is excellent due to the increasing number of vehicles on the road and the growing complexity of automotive technology.

SPECIAL CONSIDERATIONS

Completion of this degree will provide all of the courses that a student will need to become an ASE (Automotive Service Excellence) Certified Master Automobile Service Technician. The program is accredited through NATEF (National Automotive Technicians Educational Foundation).

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Jim McLeland, Automotive Technology Faculty
Mr. Jim Palmer, Automotive Technology Faculty

First Semester — 19 Sem. Hours

*	AUTM	111	Suspension and Alignment	5
*	AUTM	113	Brakes	4
*	AUTM	115	Standard Transmission & Final Drives	4
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	WELD	135	Shield Arc/Ox Welding	3

SECOND SEMESTER — 17 Sem. Hours

*	AUTM	120	Fundamentals of Engines	3
*	AUTM	122	Engine Components and Construction	3
*	AUTM	124	Fundamentals of Electricity	4
*	Physical Principles (NSCI 131 or MTEC 261)			3
*	BUSN	125	Mathematics of Business	3
	INFT	Elective		1

THIRD SEMESTER — 16 Sem. Hours

*	AUTM	231	Fundamentals of Electronics	3
*	AUTM	233	Fuel Systems	3
*	AUTM	235	Electronic Engine Controls	4
*	AUTM	237	Engine Performance	3
	Economic Principles (ECON111 or HMEC 225)			3

FOURTH SEMESTER — 17 Sem. Hours

*	AUTM	240	Automatic Transmissions	5
*	AUTM	242	Automotive Body Electronics	3
*	AUTM	246	Automotive Servicing	2
	AUTM	248	Automotive Heating & Air Conditioning	3
	INFT	Elective		1
	SPCH	191	Fundamentals of Speech	3

TOTAL HOURS = 69

* Course has a prerequisite. See course descriptions.

BASIC AUTOMOTIVE SERVICE

Certificate Program

ABOUT OUR PROGRAM

This Basic Service program prepares students for employment as entry-level technicians for routine vehicle maintenance responsibilities in lubrication, brake installation, tire service, suspension repair and alignment, and minor automotive electrical.

NATURE OF WORK AND EMPLOYMENT

Students find jobs repairing and servicing passenger cars, trucks, and other automotive vehicles. Some jobs in the automotive field may be for general technicians, while others are for specialists in engines, brakes, drive trains, transmissions, steering/suspension, electrical systems, emission controls, or heating and air conditioning. Employment opportunities for trained technicians are excellent due to the increasing number of vehicles on the road and the growing complexity of automotive technology.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Jim McLeland, Automotive Technology Faculty
Mr. Jim Palmer, Automotive Technology Faculty

Required Automotive Courses: 19 Sem. Hours

AUTM	111	Suspension and Alignment	6
AUTM	113	Brakes	5
AUTM	120	Fundamentals of Engines	4
AUTM	124	Fundamentals of Electricity	4

Required Related Courses — 9 Sem. Hours

Communications (COMM 101, BUSN 141, or ENGL 121)	3
INFT Elective	1
Welding (WELD 130 or 135)	3

Total Hours = 26

* Course has a prerequisite. See course descriptions.

BIOLOGY (403)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program and studies the science of life and life processes by investigating the origin, evolution, structure, distribution, ecology, and reproductive functions of plants and animals.

NATURE OF WORK AND EMPLOYMENT

The four most common jobs people have one year after completion of their Bachelor's degree in this major are biological technician, biological scientist, health technician, and secondary teacher.

SPECIAL CONSIDERATIONS

Students considering this major should have a strong interest in nature, science, animals, and people. This career area requires the ability to collect and analyze data. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. The recommendations are based on Illinois Articulation Initiative requirements.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Alan Nowicki, Biology Faculty
Tony Grahame, Biology Faculty

FIRST SEMESTER — 16 Sem. Hours

†	BIOL	110	Principles of Biology	4
*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
††	MATH	165	Quantitative Literacy in Math	4

SECOND SEMESTER — 15/16 Sem. Hours

†*	BIOL	111	General Botany	
		- or -		4/5
†*	BIOL	112	Zoology	
*	CHEM	124	General College Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
	HIST/POL Requirement			3

THIRD SEMESTER — 16 Sem. Hours

**	CHEM/PHYS		Sequence	4
*	MATH	177	Statistics	3
	SPCH	191	Fundamentals of Speech	3
	Humanities Requirement			3
	Social/Behavioral Science Requirement			3

FOURTH SEMESTER — 17/18 Sem. Hours

†*	BIOL	111	General Botany	
		- or -		4/5
†*	BIOL	112	Zoology	
**	CHEM/PHYS		Sequence	4
	Fine Arts Requirement			3
	Humanities/Fine Arts Requirement			3
	Social/Behavioral Science Requirement			3

Total Hours = 64/66

* Course has a prerequisite. See course descriptions

** Either CHEM 221 and 222 or PHYS 143 and 144 sequence

† BIOL 110, 111, and 112 all must be taken at HCC to meet transfer requirements

†† Students considering pre-professional careers or post-baccalaureate degrees in biology should consult with an academic advisor to confirm what mathematics is needed.

NOTE: Depending upon specific Biology programs at senior institutions, students may wish to include some or all of the following courses: BIOL 116, 118, 119, 211, and MATH 268. Check with an academic advisor for details.

BIOLOGY EDUCATION (404)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. This program studies the science of life and life processes by investigating the origin, evolution, ecology, structure, distribution, and reproductive functions of plants and animals. Biology Education majors intend to teach, usually at the secondary level.

NATURE OF WORK AND EMPLOYMENT

The three most common jobs entered into after completion of their Bachelor's degree in this major are secondary teacher, biological technician, and health technician.

SPECIAL CONSIDERATIONS

Students considering this major should have a strong interest in nature, science, animals and people. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Alan Nowicki, Biology Faculty
Tony Grahame, Biology Faculty

FIRST SEMESTER — 16 Sem. Hours

†	BIOL	110	Principles of Biology	4
*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
††	MATH	165	Quantitative Literacy in Math	4

SECOND SEMESTER — 15/16 Sem. Hours

†*	BIOL	111	General Botany	
		- or -		4/5
†*	BIOL	112	Zoology	
*	CHEM	124	General College Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
*	MATH	177	Statistics	3

THIRD SEMESTER — 16/17 Sem. Hours

*	BIOL	116	Introduction to Ecology	
		-or -		
	BIOL	120	Foundations of Anatomy/Physiology	4/5
		- or -		
*	BIOL	211	General Microbiology	
	HIST	143	U.S. History I	
		- or -		3
	HIST	144	U.S. History II	
	PSY	161	Introduction to Psychology	3
	SPCH	192	Introduction to Public Speaking	3
	Literature Elective			3

FOURTH SEMESTER — 16/17 Sem. Hours

†*	BIOL	111	General Botany	
		- or -		4/5
†*	BIOL	112	Zoology	
	POL	152	American Government and Politics	3
	SPCH	191	Fundamentals of Speech	3
	Fine Arts Requirement			3
	Humanities/Fine Arts Requirement			3

Total Hours = 63/66

* Course has a prerequisite. See course descriptions.

† BIOL 110, 111, and 112 must be taken at HCC to meet transfer requirements.

†† Students considering pre-professional careers or post-baccalaureate degrees in biology should consult with an academic advisor to confirm what mathematics is needed.

††† One course in non-western culture should be taken in Humanities or Social Science. Students should check with his/her academic advisor.

BUSINESS ADMINISTRATION (204)

Associate of Science

ABOUT OUR PROGRAM

This degree is designed for students who plan to transfer to a four-year college or university to complete a Bachelor's degree in Accounting, Economics, Finance, Management, Marketing, or General Business Administration. The program is intended to fulfill general education and core business course requirements to prepare students for junior-level classes in their majors.

NATURE OF WORK AND EMPLOYMENT

Because the choice of majors within Business Administration is so diverse, employment trends for all occupations cannot be listed here. Students are advised to contact the college or university that they plan to transfer to get the most updated information for their particular specialization within the business area. Some of the more popular job titles include accountants, auditors, managers, sales representatives, and financial officers.

SPECIAL CONSIDERATIONS

The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Dr. Steve Jennings, Business Faculty
Mr. Larry Zigler, Business Faculty

FIRST SEMESTER — 16 Sem. Hours

*	BUSN	121	Introduction to Business	3
*	ECON	111	Principles of Economics I	3
*	ENGL	121	Rhetoric and Composition I	3
*	INFT	180	Introduction to Information Systems	3
*	MATH	171	Finite Mathematics	4

SECOND SEMESTER — 18 Sem. Hours

*	ECON	112	Principles of Economics II	3
*	ENGL	122	Rhetoric and Composition II	3
*	MATH	172	Calculus for Business and Social Science	3
	SPCH	191	Fundamentals of Speech	3
	HIST/POL Requirement			3
	Fine Arts Requirement			3

THIRD SEMESTER — 17 Sem. Hours

*	ACCT	213	Financial Accounting	4
*	BUSN	223	Business Law I	3
	PSY	161	Introduction to Psychology	
		- or -		3
	SOCI	171	Introduction to Sociology	
	Humanities Requirement			3
	Physical/Life Science Requirement			4

FOURTH SEMESTER — 17 Sem. Hours

*	ACCT	214	Managerial Accounting	4
*	BUSN	221	Business Statistics	3
†*	BUSN	229	Legal Environment of Business	3
	Humanities/Fine Arts Requirement			3
	Physical/Life Science Requirement			4

Total Hours = 68

*Course has a prerequisite. See course descriptions.

† Some transfer institutions require BUSN 223 and others require BUSN 229. Check with an academic advisor before enrolling in either course.

BUSINESS ADMINISTRATION (205)

Associate of Applied Science

ABOUT OUR PROGRAM

This program provides technical and skill foundation courses for the student interested in a career in the general business field. Students may elect to major in a specific area or they may remain generalists.

NATURE OF WORK AND EMPLOYMENT

Graduates of this program find employment in an assortment of office/business settings. They will typically serve in entry-level positions and may be assigned to a wide variety of departments or program areas. The general nature of this program will allow the student to feel comfortable in a multitude of job assignments.

The business/services related area is predicted to be one of the areas of employment most in demand well into the next century. As companies try to do more with fewer personnel, the student who is well versed in a mass of business areas will be well suited for the rapidly changing job market.

SPECIAL CONSIDERATIONS

Students who are interested in transferring to a four-year baccalaureate university should refer to the program preceding this one. Most of the courses within this program are intended to and do transfer, but the degree does not contain the general education and some core courses needed for transfer to a four-year college or university. Students should contact an academic advisor for specific information.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Dr. Steve Jennings, Business Faculty
Mr. Larry Zigler, Business Faculty

Required Business Courses — 31 Sem. Hours

	ACCT	105	Elements of Accounting	3
*	ACCT	213	Financial Accounting	4
*	BUSN	121	Introduction to Business	
		- or -		3
	BUSN	124	Introduction to Small Business	
*	BUSN	125	Mathematics of Business	3
*	BUSN	223	Business Law I	3
	BUSN	224	Business Law II	3
*	BUSN	249	Principles of Management	
		- or -		3
*	BUSN	149	Small Business Management	
*	BUSN	246	Principles of Marketing	
		- or -		3
*	BUSN	143	Fundamentals of Retailing	
*	ECON	111	Principles of Economics I	3
*	ECON	112	Principles of Economics II	3

Related Required Courses — 33 Sem. Hours

*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
*	INFT	180	Introduction to Information Systems	3
	SPCH	191	Fundamentals of Speech	3
	PSY	160	Psychology of Human Relations	2
*	Communications II (COMM 214 or ENGL 122)			3
	INFT Requirement			4
†	Business Electives			15

Total Hours = 64

* Course has a prerequisite. See course descriptions.

† Courses must be from ACCT, BUSN, or INFT

CHEMISTRY (406)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Majors in Chemistry study the composition, structure, and properties of substances and the reactions, interactions, and transformations they undergo.

NATURE OF WORK AND EMPLOYMENT

The three most common jobs people have one year after completion of their Bachelor's degree in this major are chemical technician, chemist, and secondary teacher.

SPECIAL CONSIDERATIONS

Those interested in this field should possess a strong aptitude for mathematics and science as well as curiosity and an attention for detail. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met. Students are encouraged to take MATH 265 Differential Equations and MATH 270 Linear Algebra.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

John Sullivan, Chemistry Faculty

FIRST SEMESTER — 19 Sem. Hours

*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
*	MATH	168	Analytic Geometry & Calculus I	5
	SPCH	191	Fundamentals of Speech	3
	HIST/POL Requirement			3

SECOND SEMESTER — 17 Sem. Hours

*	CHEM	124	General College Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
*	MATH	268	Analytic Geometry & Calculus II	5
*	PHYS	143	General Physics I	4

THIRD SEMESTER — 17 Sem. Hours

*	CHEM	221	Organic Chemistry I	4
*	PHYS	144	General Physics II	4
	SOCI	171	Introduction to Sociology	3
	Humanities Requirement			3
	Humanities/Fine Arts Requirement			3

FOURTH SEMESTER — 18 Sem. Hours

	BIOL	110	Principles of Biology	4
*	CHEM	222	Organic Chemistry II	4
*	MATH	269	Analytic Geometry & Calculus III	4
	Fine Arts Requirement			3
	Social/Behavioral Science Requirement			3

Total Hours = 71

* Course has a prerequisite. See course descriptions.

CLERICAL BUSINESS (241)

Certificate Program

ABOUT OUR PROGRAM

This program is designed to provide the student who has no previous office experience with the minimum entry skills required for an office position. Completion of this short-term certificate program indicates to potential employers that the student has taken the initiative to become more employable.

Many courses in this program are based in Highland's individualized Office Technology Lab. The lab is staffed at all times with an instructor to assist students with course work. Students are able to proceed through many courses at their own pace and at times that are convenient to both the traditional student and to the person wishing to train for a new field or upgrade his/her skills.

NATURE OF WORK AND EMPLOYMENT

The program graduate will perform entry-level clerk and miscellaneous office tasks as a beginning employee. To advance beyond the entry-level position, the student must be prepared to continue his/her education and gain more technology and office skills background.

SPECIAL CONSIDERATIONS

The possession of this certificate may help a person gain his or her first office job; however, the skills gained from this program will not be sufficient to ensure that the person will advance beyond basic entry-level jobs. If a student has previous background in the office technology area, certain required courses may be waived or credit may be allowed through proficiency testing.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Becky Werner, Information Systems Faculty

Required Courses

	ACCT	105	Elements of Accounting	3
*	BMAC	142	Electronic Calculator	1
*	BUSN	125	Mathematics of Business	3
*	INFT	131	Beginning Microsoft Word	1
	OFFT	151	Keyboard/Formatting I	4
	OFFT	154	Office Professionalism Seminar	1
	PSY	160	Psychology of Human Relations	2
	Communications (COMM 101, BUSN 141, or ENGL 121)			3

Total Hours = 18

*Course has a prerequisite. See course descriptions.

CLERK TYPIST (231)

Certificate Program

ABOUT OUR PROGRAM

This program is designed to provide students with the general office background and specific technical skills required to advance in the office technology field. The program of study is designed to make the student more technically proficient and versatile in the types of assignments he/she is able to work on independently.

Many courses in this program are based in Highland's individualized Office Technology Lab. The lab is staffed at all times with an instructor to assist students with course work. Students are able to proceed through many courses at their own pace and at times that are convenient to both the traditional student and the person wishing to train for a new field or upgrade his/her skills.

NATURE OF WORK AND EMPLOYMENT

The clerk-typist position involves work beyond the typical entry-level position requirements. The program graduate will typically perform general office work and routine filing while serving as an assistant for several people and may be expected to perform transcription of dictated materials. This type of position often leads to possibilities for advancement within the office setting and provides a framework for continuing education and skill improvement.

SPECIAL CONSIDERATIONS

Certain required courses may be waived or credit allowed through proficiency testing. The type of job obtained with this certificate could develop into an administrative assistant position with the addition of further course work toward an Associate degree.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Becky Werner, Information Systems Faculty

Required Courses

	ACCT	105	Elements of Accounting	3
*	BMAC	142	Electronic Calculator	1
*	BUSN	125	Mathematics of Business	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
*	INFT	131	Beginning Microsoft Word	1
*	INFT	135	PowerPoint	1
*	INFT	140	Beginning Excel	1
	OFFT	151	Keyboard/Formatting I	4
	OFFT	154	Office Professionalism Seminar	1
*	OFFT	161	Proofreading	1
*	OFFT	162	Pre-Transcription Skills	1
*	OFFT	163	Machine Transcription	1
*	OFFT	255	Office Procedures	4
	PSY	160	Psychology of Human Relations	2

Total Hours = 27

*Course has a prerequisite. See course description.

COMPUTER SCIENCE (407)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a baccalaureate program. Majors in this program study the theory, design, development, and application of computer technology for storing and manipulating data and managing information.

NATURE OF WORK AND EMPLOYMENT

Computer Science majors need to be well organized, precise, and have attention for detail. They must interact with a wide variety of individuals in order to well define the computer assignments to be accomplished. Common jobs students have had one year after graduating from a four-year baccalaureate program in this major: computer programmer, systems analyst, network analyst, information system specialist, and systems manager.

SPECIAL CONSIDERATIONS

This guideline is recommended only. Students should check with an academic advisor for specific university requirements in this major. Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they plan to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Jeremy Monigold, Information Systems Faculty

FIRST SEMESTER — 14/15 Sem. Hours

*	ACCT	213	Financial Accounting	4
*	ENGL	121	Rhetoric and Composition I	3
*	INFT	180	Introduction to Information Systems	3
*	MATH	171	Finite Mathematics	
		- or -		4/5
*	MATH	168	Analytic Geometry & Calculus I	

SECOND SEMESTER — 16/18 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
*	INFT	190	Principles of Computer Science I	3
*	MATH	172	Calculus for Business and Social Science	
		- or -		3/5
*	MATH	268	Analytic Geometry & Calculus II	
	INFT Elective			3
	Physical/Life Science Requirement			4

THIRD SEMESTER — 17 Sem. Hours

*	ECON	111	Principles of Economics I	3
*	INFT	210	COBOL	5
	SPCH	191	Fundamentals of Speech	3
	HIST/POL Requirement			3
	Humanities/Fine Arts Requirement			3

FOURTH SEMESTER — 16 Sem. Hours

*	ECON	112	Principles of Economics II	3
*	INFT	290	Principles of Computer Science II	3
	Fine Arts Requirement			3
	Humanities Requirement			3
	Physical/Life Science Requirement			4

Total Hours = 63/66

*Course has a prerequisite. See course descriptions.

NOTE: Students should check with their academic advisor or a computer science faculty member to ensure their choices in the math and science elective areas are appropriate. Some students may choose to follow a business emphasis or a technical emphasis. This guideline will change for a technical emphasis.

COMPUTER TECHNICIAN (619)

Certificate Program

ABOUT OUR PROGRAM

The computer technician program will prepare the student to install, upgrade, or repair computer equipment typically found in the home or on the office desktop. The scope of the curriculum includes microcomputers, peripheral devices, and technical support. The certificate competencies parallel those of the computer industry's A+ credential requirements.

NATURE OF WORK AND EMPLOYMENT

Students completing this program will be prepared to sit for the A+ certification exam and enter the work place as an entry-level computer systems technician.

Types of jobs for which this program prepares graduates include: computer installer, computer repair technician, technical support representative, and technical consultant.

SPECIAL CONSIDERATIONS

Students in this program must show satisfactory communications and mathematics achievement on the placement tests or completion of COMM 090 and MATH 061 or equivalent.

Students may wish to seek advice about merging this certificate with the Associate of Applied Science in Information Systems.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Jeremy Monigold, Information Systems Faculty

Required Courses

*	BUSN	125	Mathematics of Business	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	ELET	179	Electronics Principles	3
*	INFT	180	Intro to Information Systems	3
*	INFT	182	Microcomputer Hardware	3
	INFT	282	A+ Certification	3
	INFT	Electives		3
	OCED	290	Work Place Experience	4
Total Hours				**25**

*Course has a prerequisite. See course descriptions.

COSMETOLOGY (606)

Certificate Program

ABOUT OUR PROGRAM

Highland offers training which meets or exceeds the State Department of Financial and Professional Regulation requirement for state licensure as a cosmetologist. This program includes basic through advanced training in the area of hair care and styling, skin care and make-up as well as nail care and extensions. Training also includes areas of decontamination, chemistry, salon management, anatomy and salesmanship. Graduation from this program also requires the completion of a Business Communications class and a related electives class which gives the graduate additional entrepreneur skills. This program operates on a space available basis.

NATURE OF WORK AND EMPLOYMENT

Program graduates, one licensed, may find employment providing hair, skin and nail care services to salon clientele. Salons today offer stylists many opportunities to specialize in one area or provide all services to clients. Other career possibilities for licensed cosmetologist include platform artist, salon owner/manager or style director for television, print or theater.

SPECIAL CONSIDERATIONS

Admission and enrollment procedures for this program are not the same as for other college programs and classes. Students interested in this program should contact the program instructor to obtain enrollment procedures. Students are not permitted to register by mail or walk-in for this program. Graduates of Highland's program must also pass a state board examination to obtain a license to practice.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Cathie Schmerse, Cosmetology Faculty

Required Courses

	COSM	121	Science and Practice of Cosmetology I	3
	COSM	122	Science and Practice of Cosmetology II	3
	COSM	123	Science and Practice of Cosmetology III	3
	COSM	124	Science and Practice of Cosmetology IV	3
	COSM	131	Science and Practice of Cosmetology V	3
	COSM	132	Science and Practice of Cosmetology VI	3
	COSM	133	Science and Practice of Cosmetology VII	3
	COSM	134	Science and Practice of Cosmetology VIII	3
	COSM	141	Science and Practice of Cosmetology IX	3
	COSM	142	Science and Practice of Cosmetology X	3
	COSM	143	Science and Practice of Cosmetology XI	3
	COSM	144	Science and Practice of Cosmetology XII	3
*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
	Restricted Elective			3

Total Hours = 42

Restricted elective from: ACCT, BUSN, INFT, HMEC, THEA 186, COSM 180

* Course has a prerequisite. See course descriptions.

DESKTOP PUBLISHING (222)

Certificate Program

ABOUT OUR PROGRAM

The Desktop Publishing certificate is designed for individuals who need computer skills to keep up with changes in the printing industry and for individuals who are interested in desktop publishing for personal use.

Many courses in this program are based in Highland's individualized Office Technology Lab. The lab is staffed at all times with an instructor to assist students with course work. Students are able to proceed through many courses at their own pace and at times that are convenient to both the traditional student and to the person wishing to train for a new field or upgrade skills.

NATURE OF WORK AND EMPLOYMENT

Program graduates may work in the printing industry or an office setting where they typeset and prepare miscellaneous publications for printing.

SPECIAL CONSIDERATIONS

Certain required courses may be waived or credit may be allowed through proficiency testing. The type of position obtained with this certificate could develop into an administrative assistant position with the addition of further course work toward an Associate degree.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Becky Werner, Information Systems Faculty

Required Courses — 32 Sem. Hours

	ART	115	Basic Design I	3
*	BUSN	124	Introduction to Small Business	3
*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
	HMEC	225	Consumer Economics	3
*	INFT	131	Beginning Microsoft Word	1
*	INFT	132	Intermediate Microsoft Word	1
*	INFT	115	Introduction to the World Wide Web	1
*	INFT	122	Introduction to Windows	1
*	INFT	133	Advanced Microsoft Word	1
*	INFT	135	PowerPoint	1
*	INFT	137	Desktop Publishing	3
*	INFT	140	Beginning Excel	1
	INFT	160	Digital Images & Sound	1
	OFFT	151	Keyboarding/Formatting I	4
	OFFT	154	Office Professionalism Seminar	1
*	OFFT	161	Proofreading	1
*	OFFT	162	Pre-Transcription Skills	1
	Elective			2

Total Hours = 32

* Course has a prerequisite. See course descriptions.

EARLY CHILDHOOD EDUCATION (703)

Associate of Applied Science

ABOUT OUR PROGRAM

This program is designed to prepare students for work in a variety of settings for the care and education of young children and their families. The two-year degree includes general- education requirements and child psychology (child growth and development). The program offers several opportunities for students to practice their skills in methods courses and three practicums. Students have a choice of two emphases with this degree: Senior Teacher or Child Care Center Director.

The AAS Early Childhood Senior Teacher emphasis moves students from basic child care principles in the first two semesters to advanced topics in curriculum and child development in the last semester.

The AAS Child care Center Director emphasis is for students seeking in-depth training in the management and leadership areas of the early childhood field. Students may apply for the Illinois Director Credential.

Both of the early childhood certificates, Basic Child Care (723) and Lead Teacher (713), are wholly contained in the Early Childhood Education degree.

NATURE OF WORK AND EMPLOYMENT

Early childhood graduates with an AAS degree are qualified to be employed as child care workers (teachers), group workers, or child care directors in child development programs licensed by the Department of Children and Family Services (DCFS). AAS graduates must demonstrate good physical and emotional health and submit to a background check before working in any children's facility.

SPECIAL CONSIDERATIONS

This degree does NOT prepare students for Illinois State Board of Education teacher certification and does NOT prepare students for transferring, though some general education courses are transferable. In order to be state-certified in Early Childhood Education (Bachelor's degree), see the guidelines for Professional Education and contact an academic advisor for more information.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Leah Timberlake, Early Childhood Faculty

EARLY CHILDHOOD EDUCATION (703)

Associate of Applied Science

Required ECE Courses — 38 Sem. Hours

	CHLD	181	Intro to Early Childhood Education	3
*	CHLD	183	Observation & Guidance of Young Child	3
	CHLD	185	Foundations of Family Day Care	1
	CHLD	186	Nutrition and Health of the Young Child	3
*	CHLD	187	Practicum I	1
*	CHLD	189	Family & Community Resources	3
*	CHLD	190	Music and Movement for the Young Child	3
*	CHLD	191	Practicum II	2
*	CHLD	281	Infant and Toddler Care	2
*	CHLD	282	Creative Activities for Young Children	3
*	CHLD	283	Math and Science for the Young Child	3
*	CHLD	284	Exceptional Child in EC Education	2
*	CHLD	286	Children's Literature and Language Dev.	3
*	CHLD	288	Supervision & Admin. of Child Care Prog.	3
*	CHLD	289	Practicum III	3

Required Related Courses — 18 Sem. Hours

*	BUSN	125	Business Math	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	Humanities/Fine Arts Elective			3
	INFT		Elective	3
	SPCH	191	Fundamentals of Speech	3
*	PSY	162	Child Psychology	3
	ECE Emphasis Area Courses			6

ECE Emphasis Area Courses (Choose one area)

Senior Teacher Emphasis

*	CHLD	287	Curriculum Planning	3
*	CHLD	295	Seminar in Early Childhood Education	3

Child Care Center Director Emphasis

*	CHLD	291	Legal & Fiscal Mgt of Child Care Programs	3
*	CHLD	292	Staff Mgt & Human Relations in Child Care	3

Total Hours = 62

*Course has a prerequisite. See course descriptions.

NOTE: Students must complete CHLD 181 and PSY 162 before enrolling in courses above the second semester. PSY 262, Human Growth and Development, is an acceptable substitute for PSY 162 if the student has completed course work prior to enrolling in the Early Childhood Program.

EARLY CHILDHOOD EDUCATION (723)

Certificate Program 1
Basic Child Care

ABOUT OUR PROGRAM

This program helps students meet Illinois Department of Children and Family Services Licensing Standards for **Assistant Teacher**. If a student acquires 640 hours of experience in a licensed child care center, they may apply to the Child Development Associate National Credentialing Program for Child Development Associate Credential. The CDA Credential allows holders to work in DCFS-licensed programs as a **Teacher**. CDA applicants receive advising from qualified HCC staff in the credentialing process during the two Practicums.

NATURE OF WORK AND EMPLOYMENT

Basic Child Care Certificate holders work in licensed child care programs, as assistant teachers. Family Home Day Care Providers are encouraged to use this program to upgrade their own training and preparation.

SPECIAL CONSIDERATIONS

Certificate students must demonstrate good physical and emotional health and submit to a criminal background check before beginning any Practicum.

CDA applicants should notify the program coordinator (below) of their intentions early in their coursework.

Family Home Day Care providers wanting this certification may take CHLD 185 and CHLD 191 for a total of two credits, instead of CHLD 181 for two credits.

PROGRAM CONTACTS

Call Highland at 815-235-6121 for the following program contacts:

Dr. Michael Spangler, Dean, Business/Technology
Leah Timberlake, Early Childhood Faculty

Required Child-Care Courses

	CHLD	181	Introduction to Early Childhood Education	3
*	CHLD	183	Observation & Guidance of Young Child	3
*	CHLD	186	Health and Nutrition of the Young Child	3
*	CHLD	187	Practicum I	1
*	CHLD	189	Family & Community Resources	3
*	CHLD	191	Practicum II	2
*	Communications (COMM 101, BUSN 141, or ENGL 121)			3

Total Hours **18**

* Course has a prerequisite. See course descriptions.

EARLY CHILDHOOD EDUCATION (713)

Certificate Program 2
Child Care Lead Teacher

ABOUT OUR PROGRAM

This program is for students who wish to qualify as an early childhood teacher or school-age worker in a licensed program. Certificate holders can also apply to the Regional Superintendent of Education for certification as aides in public schools.

Persons desiring child care teaching positions must also have at least 1,560 clock hours of child development experience in a child care program licensed by the Illinois Department of Children and Family Services. For those not already employed in such programs, some of the required hours can be met in Practicums I and II.

NATURE OF WORK AND EMPLOYMENT

Typical job positions that program graduates may enter into include family home day care provider, child care worker, child care assistant, nanny positions, and other programs serving infants, toddlers, and preschoolers. Graduates plan and present learning activities for small children, observe and document children's behavior, and work closely with teachers, directors, and parents to promote the growth and development of children.

The certificate program is NOT recommended for those seeking leadership positions in early childhood programs, such as director, assistant director, and senior teacher.

SPECIAL CONSIDERATIONS

In order to be state-certified in Early Childhood Education with a Bachelor's Degree (certified to teach ages 0 through third grade in a public elementary school), a student must transfer to a four-year institution. This program is NOT intended for students interested in transferring. Students should see the guideline for Professional Education if they intend to transfer. Certificate students must demonstrate good physical and emotional health and submit to a criminal background check before beginning any Practicum.

To enter this program, students must meet the following prerequisites:

1. Complete all HCC placement tests
2. Meet the competency standard in the tests for COMM 101
3. Get a grade of C or better in Practicums I and II.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Leah Timberlake, Early Childhood Faculty

Required ECE Courses				32 Sem. Hours
	CHLD	181	Introduction to Early Childhood Education	3
*	CHLD	183	Observation & Guidance of Young Child	3
	CHLD	185	Foundations of Family Day Care	1
	CHLD	186	Nutrition and Health of the Young Child	3
*	CHLD	187	Practicum I	1
*	CHLD	189	Family & Community Resources	3
*	CHLD	190	Music & Movement for the Young Child	3
*	CHLD	191	Practicum II	2
*	CHLD	281	Infant & Toddler Care	2
*	CHLD	282	Creative Activities for the Young Child	3
*	CHLD	283	Math and Science for the Young Child	3
*	CHLD	284	Exceptional Child In Early Childhood Ed.	2
*	CHLD	286	Children's Literature & Language Dev.	3

Related Required Courses				7 Sem. Hours
*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
*	PSY	162	Child Psychology	3
	INFT Elective			1

Total Hours = 39

* Course has a prerequisite. See course descriptions.

ENGINEERING (414)

Associate of Engineering Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Students in this major will study mathematics and science with the intent of applying the principles of those fields to the design and construction of useful devices and structures. Specialty areas of engineering include mechanical, electrical, civil, chemical, and industrial.

NATURE OF WORK AND EMPLOYMENT

Engineers work in a wide variety of settings such as industries, research facilities, consulting firms, and governmental agencies.

SPECIAL CONSIDERATIONS

Those interested in engineering should have an aptitude for science, mathematics, problem solving, and versatility. Good verbal and written skills, and the ability to work on a team are also needed. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they plan to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Eric Peterson, Physics Faculty

FIRST SEMESTER — 15 Sem. Hours

*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
*	MATH	168	Analytic Geometry and Calculus I	5
*	PHYS	120	Introduction to Engineering	2

SECOND SEMESTER — 18 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
*	MATH	268	Analytic Geometry and Calculus II	5
*	PHYS	143	General Physics I	4
	Humanities/Fine Arts Requirement			3
	Social/Behavioral Science Requirement			3

THIRD SEMESTER — 17/18 Sem. Hours

*	MATH	265	Differential Equations	3
*	PHYS	144	General Physics II	4
	SPCH	191	Fundamentals of Speech	3
†	Social/Behavioral Science Requirement			3
	Engineering Specialty Electives			4/5

FOURTH SEMESTER — 17/18 Sem. Hours

*	MATH	269	Analytic Geometry and Calculus III	4
†	Humanities Requirement			3
†	Social/Behavioral Science Requirement			3
	Engineering Specialty Electives			4/5
†	Fine Arts Requirement			3

Total Hours = 67/69

* Course has a prerequisite. See course descriptions.

† Some transfer institutions prefer sequential courses. Check with an academic advisor.

Engineering Specialty Electives

	BIOL	110	Principles of Biology	4
*	CHEM	124	General College Chemistry II	5
*	CHEM	221	Organic Chemistry I	4
*	CHEM	222	Organic Chemistry II	4
	DRAF	151	Engineering Graphics	4
*	MATH	262	C Programming for Science/Engineering	4
*	MATH	266	Mechanics: Statics and Dynamics	5
*	PHYS	145	General Physics III	4
*	PHYS	246	Circuits Analysis	4

ENGINEERING TECHNOLOGY (612)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Students in this major will use their technical skills and knowledge of science and math in the support of engineering activities. Students should have interests in mechanical and electrical devices and mathematics, skills in using instruments, ability to make accurate observations and measurements, and ability to work with other as a part of a team.

NATURE OF WORK AND EMPLOYMENT

After attaining a baccalaureate degree, students may work in one of several different engineering specialties including aeronautical, civil, industrial, mechanical, chemical, or metallurgical. Engineering Technicians are employed by companies in the electrical equipment, machinery, aerospace, and construction industries; by radio and TV stations; engineering and architectural firms; and by organizations in other fields. Faster than average job growth is projected due to anticipated increases in research and development expenditures and the expected growth in the output of technical products.

SPECIAL CONSIDERATIONS

Those interested in engineering should have an aptitude for science, mathematics, problem solving, and versatility. Good verbal and written skills along with the ability to work on a team are also needed. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major**. Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they plan to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Eric Peterson, Physics Faculty

FIRST SEMESTER — 18 Sem. Hours

	DRAF	151	Engineering Graphics	4
*	ENGL	121	Rhetoric and Composition I	3
*	MATH	168	Analytic Geometry and Calculus I	5
*	PHYS	141	Introductory Physics I	4
	PHYS	120	Intro to Engineering	2

SECOND SEMESTER — 18 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
*	MATH	268	Analytic Geometry and Calculus II	5
*	PHYS	142	Introductory Physics II	4
	Fine Arts Requirement			3
	Social/Behavioral Science Requirement			3

THIRD SEMESTER — 18 Sem. Hours

	BIOL	110	Principles of Biology	4
*	CHEM	123	General College Chemistry I	5
*	MATH	262	C Programming for Science/Engineering	4
*	MATH	266	Mechanics: Statics and Dynamics	5

FOURTH SEMESTER — 15 Sem. Hours

*	ECON	111	Principles of Economics I	3
	SPCH	191	Fundamentals of Speech	3
	HIST/POL Requirement			3
	Humanities/Fine Arts Requirement			3
	Humanities Requirement			3

Total Hours = 69

* Course has a prerequisite. See course descriptions.

GEOLOGY (409)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Geology majors study the characteristics and features of the earth and the processes that shape them.

NATURE OF WORK AND EMPLOYMENT

The most common jobs people have one year after graduating with a baccalaureate degree in this major are Geologist, Science Technician, Secondary Teacher, and Environmental Scientist.

SPECIAL CONSIDERATIONS

Those interested in geology should have an aptitude for science and mathematics as well as a deep curiosity about the earth and its characteristics. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they plan to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Steve Simpson, Geology/Geography Faculty

FIRST SEMESTER — 17 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
	HIST	143	U.S. History I	3
*	MATH	168	Analytic Geometry and Calculus I	5
	SPCH	191	Fundamentals of Speech	3
	Fine Arts Requirement			3

SECOND SEMESTER — 19 Sem. Hours

	BIOL	110	Principles of Biology	4
*	ENGL	122	Rhetoric and Composition II	3
	GEOL	126	Geology	4
*	MATH	268	Analytic Geometry and Calculus II	5
	Humanities Requirement			3

THIRD SEMESTER — 16 Sem. Hours

*	CHEM	123	General College Chemistry I	5
*	MATH	262	C Programming for Science/Engineering	4
†*	PHYS	141	Introductory Physics I	4
	Humanities/Fine Arts Requirement			3

FOURTH SEMESTER — 19 Sem. Hours

*	CHEM	124	General College Chemistry II	5
*	ECON	111	Principles of Economics I	3
*	GEOL	236	Historical Geology	4
	HIST	144	U.S. History II	3
†*	PHYS	142	Introductory Physics II	4

Total Hours = 71

* Course has a prerequisite. See course descriptions.

† Some senior institutions require General Physics. Check with an academic advisor regarding proper course selection for each university.

GRAPHIC DESIGN (301)

Associate of Applied Science

ABOUT OUR PROGRAM

This program is designed to provide entry-level job skills necessary for entrance in the graphic design field. Students will learn the basics of typography, layout, and design using computer software. An emphasis is placed on the design process including questioning, research, communication, proofs, presentation and mechanicals. A problem-solving approach is used and actual design projects are incorporated into the curriculum when appropriate.

NATURE OF WORK AND EMPLOYMENT

Areas of employment include graphic design, print media, illustration, electronic publishing, communications, entertainment, industry, and advertising. Many jobs in this field involve communication and marketing skills, as well as creative and technical abilities. As visual communication needs increase, this area will continue to grow. The tools used in this field have changed dramatically over the last 15 years as technology continues to change. Highland's computer lab is well- equipped, well-maintained, and up-to-date.

SPECIAL CONSIDERATIONS

Although this degree is not specifically intended for transfer students, many courses will transfer to senior institutions. Checking with the program faculty or an academic advisor will help provide a smooth transfer. This degree includes general-education courses as well as some business and communications courses to help the student with work-related skills.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the program contacts:

Sam Tucibat, Graphic Design Faculty

John Webb, Director of Fine Arts

Dr. Thompson Brandt, Associate Dean Humanities

FIRST SEMESTER — 15 Sem. Hours

	ART	113	Drawing I	3
	ART	115	Basic Design I	3
*	ART	118	Graphic Design I	3
*	COMM	101	Technical Communications	
		- or -		3
*	ENGL	121	Rhetoric and Composition I	
	Major Elective			3

SECOND SEMESTER — 15 Sem. Hours

*	ART	114	Drawing II	
		- or -		3
*	ART	116	Basic Design II	
*	ART	218	Graphic Design II	3
*	COMM	214	Business and Technical Writing	
		- or -		3
*	ENGL	122	Rhetoric and Composition II	
	SPCH	191	Fundamentals of Speech	
		- or -		3
	SPCH	192	Introduction to Public Speaking	
	Major Elective			3

THIRD SEMESTER — 17/18 Sem. Hours

*	ART	228	Graphic Design III	3
	BUSN	125	Mathematics of Business	3
	PSY	160	Psychology of Human Relations	
		- or -		2/3
	PSY	161	Introduction to Psychology	
	Major Electives			6
	General Education Elective			3

FOURTH SEMESTER — 15 Sem. Hours

*	ART	238	Graphic Design IV	3
*	BUSN	243	Principles of Salesmanship	
		- or -		
*	BUSN	244	Principles of Advertising	3
		- or -		
*	BUSN	246	Principles of Marketing	
	Major Electives			6
	General Education Elective			3

Total Hours = 62/63

Major Electives

	ART	110	Introduction to Art	3
	ART	111	Art of the Western World	3
*	ART	120	Life Drawing	3
	ART	201	Photography	3
*	ART	211	Painting I	3
*	ART	212	Painting II	3
	ART	215	Art History I	3
	ART	216	Art History II	3
	ART	219	Modern Art	3
*	DRAF	155	Basic Technical Drafting I	3
*	OFFT	161	Proofreading	3
*	INFT	137	Desktop Publishing	3
*	SPCH	293	Small Group Communications	3
*	SPTP	101	Graphic Design	3

* Course has a prerequisite. See course descriptions.

GRAPHIC DESIGN

Certificate Program

ABOUT OUR PROGRAM

The certificate program prepares students for entry-level positions in graphic design. Students learn the fundamentals of design using computer software. A problem-solving approach is used and actual design projects are incorporated into the curriculum when appropriate.

NATURE OF WORK AND EMPLOYMENT

Among job positions available in this field are graphic design, print media, illustration, electronic publishing, communications, entertainment industry, and advertising. Continued economic growth in the region, resulting in increased business activity, should allow this field of employment to continue to grow.

SPECIAL CONSIDERATIONS

This program develops specialized skills in graphic design. For a wider range of skills, students should consider the degree program offered in the Associate of Arts or Applied Science degrees.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Sam Tucibat, Graphic Design Faculty
John Webb, Director of Fine Arts
Dr. Thompson Brandt, Associate Dean Humanities/Social Science

Required Technical Courses — 21 Sem. Hours

	ART	113	Drawing I	3
	ART	115	Basic Design I	3
*	ART	116	Basic Design II	3
*	ART	118	Graphic Design I	3
*	ART	218	Graphic Design II	3
*	ART	228	Graphic Design III	3
*	ART	238	Graphic Design IV	3

Required Related Courses — 3 Sem. Hours

*	BUSN	141	Management Communications	
		- or -		
*	COMM	101	Technical Communications	3
		- or -		
*	ENGL	121	Rhetoric and Composition I	

Total Hours = 24

* Course has a prerequisite. See course descriptions.

HISTORY (502)

Associate of Arts

ABOUT OUR PROGRAM

The history program is designed for the student who is interested in how humans have made decisions, treated each other under the pressure of circumstances, and considered how the decisions of the past have shaped the present. The program's emphasis is on United States and European history Courses are also offered in contemporary Africa, the Middle East, and women's history. This program will prepare students for the baccalaureate degree in history.

NATURE OF WORK AND EMPLOYMENT

Baccalaureate degree history majors typically are employed as teachers in elementary and secondary schools and as researchers in government, museums, and industrial research departments. A four-year degree in history also provides a good background for careers in journalism, law, foreign service, and a variety of related professions.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that special requirements of the department and the institution to which they plan to transfer are met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Andrew Dvorak and Jim Phillips, History Faculty

Dr. Thompson Brandt, Associate Dean Humanities/ Social Science

FIRST SEMESTER — 16 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
	HIST	141	Western Civilization I	3
	POL	151	Introduction to Political Science	3
*	Mathematics Requirement			3
	Physical/Life Science Requirement			4

SECOND SEMESTER — 18 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
	HIST	142	Western Civilization II	3
	HIST	236	Illinois History	3
	PSY	161	Introduction to Psychology	3
	SOCI	171	Introduction to Sociology	3
	Physical/Life Science Requirement			3

THIRD SEMESTER — 15 Sem. Hours

HIST	143	U.S. History I	3
PHIL	281	Introduction to Philosophy	3
POL	152	American Government and Politics	3
SPCH	191	Fundamentals of Speech	3
Fine Arts Requirement			3

FOURTH SEMESTER — 18 Sem. Hours

GEOG	132	Regional Geography of the World	3
HIST	144	U.S. History II	3
HIST	241	Contemporary World	3
Humanities/Fine Arts Requirement			3
Literature Elective			3
Social/Behavioral Science Elective			3

Total Hours = 67

* Course has a prerequisite. See course descriptions.

HUMAN/SOCIAL SERVICES (509)

Associate of Arts

ABOUT OUR PROGRAM

This program allows students to choose either an emphasis in children's services or social services. Both are designed for the student intending to transfer to a senior institution for completion of a baccalaureate degree. It is possible for a student to complete the two-year program and gain employment in an entry-level position.

NATURE OF WORK AND EMPLOYMENT

Program graduates are often employed in state, county, and municipal social-service agencies, as well as educational institutions, religious organizations, and health-related institutions.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that special requirements of the department and the institution to which they plan to transfer are met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Kim Goudreau, Sociology Faculty
Dr. Thompson Brandt, Associate Dean Humanities/Social Science

Children's Services Emphasis

FIRST SEMESTER			15 Sem. Hours
* ENGL	121	Rhetoric and Composition I	3
PSY	161	Introduction to Psychology	3
SOCI	171	Introduction to Sociology	3
SPCH	191	Fundamentals of Speech	3
HIST/POL Requirement			3

SECOND SEMESTER			16 Sem. Hours
* ENGL	122	Rhetoric and Composition II	3
CHLD	186	Nutrition and Health of the Young Child	3
* PSY	264	Social Psychology	3
SOCI	271	Social Problems	3
Physical/Life Science Requirement			4

THIRD SEMESTER			18 Sem. Hours
CHLD	181	Introduction to Early Childhood Education	3
* CHLD	183	Observation/Guidance of the Young Child	3
PHIL	283	Introduction to Logic	3
* SOCI	272	Introduction to Social Welfare Content	3
* SPCH	293	Small Group Communication	3
Humanities/Fine Arts Requirement			3

FOURTH SEMESTER			15 Sem. Hours
* MATH	177	Statistics	3
* PHIL	282	Ethics	3
* SOCI	273	Social Service Field Experience	3
Fine Arts Requirement			3
Physical/Life Science Requirement			3

Total Hours = 64

Social Services Emphasis

FIRST SEMESTER			15 Sem. Hours
* ENGL	121	Rhetoric and Composition I	3
PSY	161	Introduction to Psychology	3
SOCI	171	Introduction to Sociology	3
SOCI	177	Introduction to Anthropology	3
SPCH	191	Fundamentals of Speech	3

SECOND SEMESTER			16 Sem. Hours
* ENGL	122	Rhetoric and Composition II	3
* PSY	264	Social Psychology	3
SOCI	271	Social Problems	3
HIST/POL Requirement			3
Physical/Life Science Requirement			4

THIRD SEMESTER			18 Sem. Hours
* CHLD	189	Family, Comm. Relationship & Resources	3
PHIL	283	Introduction to Logic	3
* SOCI	272	Introduction to Social Welfare Content	3
* SOCI	273	Social Service Field Experience	3
SOCI	274	The Family	3
* SPCH	293	Small Group Communication	3

FOURTH SEMESTER			15 Sem. Hours
* MATH	177	Statistics	3
* PHIL	282	Ethics	3
* PSY	228	Introduction to Counseling	3
Fine Arts Requirement			3
Physical/Life Science Requirement			3

Total Hours = 64

* Course has a prerequisite. See course descriptions.

INDUSTRIAL MANUFACTURING TECHNOLOGY (617)

Associate of Applied Science

ABOUT OUR PROGRAM

The Industrial Manufacturing Technology program will accommodate the increasing technological demands of industry and broadening scope of abilities needed by today's manufacturing professional. Students complete a core of courses essential to a variety of disciplines and advanced studies in one or more specialty certificate areas as determined by the student and his/her program advisor. Courses take place in traditional classrooms, laboratories, and various local work environments. Graduates enter the workforce with the skills necessary to succeed in their field and advance to supervisory and/or advanced positions.

NATURE OF WORK AND EMPLOYMENT

Typical occupations for graduates in the Industrial Manufacturing program include electronics technician, manufacturing technician, CNC machine operator, CAD drafter, test lab or design technician, tool and die maker, machinist, field service technician, maintenance technician, and customer service technician.

SPECIAL CONSIDERATIONS

Students wishing to complete the Associate of Applied Science degree in Industrial Manufacturing Technology should complete their core requirements, a specialty certificate in an area of the student's choosing (Architectural studies, Computer-Aided Design, Mechanical Computer-Aided Design, Industrial Electronics & Controls, Machine Processes, Quality, or Welding/Fabrication), and electives to complete the degree requirements. Students should meet with a program faculty member to develop a program plan before beginning studies. This degree is recommended for students who have a specific career objective in mind and do not plan to transfer to a four-year program at a college or university.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Scott Anderson, Industrial Technology Faculty
Mr. Eric Dietmeier, Industrial Technology Faculty
Mr. Steve Gellings, Industrial Technology Faculty

First Semester — 16 Sem. Hours

	DRAF	110	Print Reading and Inspection	2
	ELET	179	Electronic Principles	3
*	INFT	180	Introduction to Information Systems	3
*	MATH	111	Technical Mathematics I	3
	OCED	117	Occupational Safety	1
	Technical or General Education Electives			4

SECOND SEMESTER — 15 Sem. Hours

*	BUSN	121	Introduction to Business	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	Technical or General Education Electives			9

SUMMER — 4 Sem. Hours

*	OCED	290	Workplace Experience	4

THIRD SEMESTER — 15 Sem. Hours

	Technical or General Education Electives			15

FOURTH SEMESTER — 15 Sem. Hours

	MTEC	164	Manufacturing Processes	3
*	MTEC	290	Automation Seminar	4
	OCED	250	Career Seminar	1
	Technical or General Education Electives			7

Total Hours = 65

*Course has a prerequisite. See course descriptions.

General Education Electives: Select nine credits of general-education electives from the following courses - ECON 111, MATH 177, PHYS 141, PSY 160, PSY 161, PSY 163, SOCI 171, and SPCH 191.

Technical or General Education Electives must include requirements for at least one of the Industrial Manufacturing Technology certificates on the following pages:

- Computer Aided Design - Mechanical
- Industrial Electronics & Controls
- Machine Processes
- Welding and Fabrication

INDUSTRIAL MANUFACTURING TECHNOLOGY (601)

Computer-Aided Design • Mechanical (Certificate)

ABOUT OUR PROGRAM

This program is designed to prepare students to be a CAD technician in the manufacturing and/or engineering industries.

NATURE OF WORK AND EMPLOYMENT

Graduates of this program prepare clear, accurate, and detailed drawings from the rough sketches, specifications, and calculations of engineers and designers. These drawings are used for engineering and manufacturing purposes according to the specified dimensions. CAD/CAM technicians also use computer-controlled systems to assist industrial designers and engineers in designing products and carrying out automated processes.

SPECIAL CONSIDERATIONS

For those students interested in pursuing their education, this certificate meets the technical elective requirements of the Associate of Applied Science degree for Industrial Manufacturing Technology.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Scott Anderson, Industrial Technology Faculty
Mr. Eric Dietmeier, Industrial Technology Faculty
Mr. Steve Gellings, Industrial Technology Faculty

Required Courses

*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
*	DRAF	101	Drafting Fundamentals I	3
*	DRAF	102	Drafting Fundamentals II	3
	DRAF	105	Computer-Aided Drafting	3
	DRAF	110	Print Reading and Inspection	2
*	DRAF	260	CAD-3D Solid Modeling	4
*	MATH	111	Technical Mathematics I	3
*	MTEC	110	Geometric Dimensioning & Tolerancing	3

Total Hours = 24

* Course has a prerequisite. See course descriptions.

INDUSTRIAL MANUFACTURING TECHNOLOGY (615)

Industrial Electronics & Controls (Certificate)

ABOUT OUR PROGRAM

This certificate program will provide students with experience in general and industrial electronic components such as sensors, motors, and valves as well as typical electronic circuits found in industry. Students will also gain experience with computer applications and programming industrial control devices such as programmable logic controllers.

NATURE OF WORK AND EMPLOYMENT

Graduates with this certificate are prepared to work with industrial machines and manufacturing systems. Typical career positions include maintenance technician, troubleshooter, machine builder, and field sales specialist. With additional experience and education, graduates can move into supervisory and advanced technical occupations.

SPECIAL CONSIDERATIONS

For those students interested in pursuing their education, this certificate meets the technical elective requirements of the Associate of Applied Science degree for Industrial Manufacturing Technology.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Scott Anderson, Industrial Technology Faculty
Mr. Eric Dietmeier, Industrial Technology Faculty
Mr. Steve Gellings, Industrial Technology Faculty

Required Courses

*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	ELET	179	Electronic Principles	3
*	ELET	182	Devices and Circuits I	3
*	ELET	183	Devices and Circuits II	3
*	ELET	290	Sensors and Interfacing	4
*	ELET	295	Programmable Logic Controllers	4
*	INFT	180	Introduction to Information Systems	3
*	MATH	111	Technical Mathematics	3
*	MTEC	210	Fluid Power Systems I	3
*	MTEC	220	Motors and Controls	3
*	MTEC	290	Automation Seminar	4

Total Hours **36**

* Course has a prerequisite. See course descriptions.

INDUSTRIAL MANUFACTURING TECHNOLOGY (607)

Machine Processes (Certificate)

ABOUT OUR PROGRAM

The Machining Processes Certificate is designed to provide students with opportunities to obtain basic and intermediate-level experience in the areas of computer numeric control (CNC), computer-aided drafting (CAD), and computer-aided manufacturing (CAM).

NATURE OF WORK AND EMPLOYMENT

Successful graduates of this certificate will have entry-level competence for the fields of CAD/CAM operation and be able to set-up CNC equipment.

SPECIAL CONSIDERATIONS

For those students interested in pursuing their education, this certificate meets the technical elective requirements of the Associate of Applied Science degree for Industrial Manufacturing Technology.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Scott Anderson, Industrial Technology Faculty
Mr. Eric Dietmeier, Industrial Technology Faculty
Mr. Steve Gellings, Industrial Technology Faculty

Required Courses

*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	DRAF	105	Computer-Aided Drafting	3
	DRAF	110	Print Reading and Inspection	2
*	MATH	111	Technical Mathematics I	3
*	MTEC	110	Geometric Dimensioning And Tolerancing	3
*	MTEC	151	Machine Processes	3
	MTEC	164	Manufacturing Processes	3
*	MTEC	264	Statics and Strengths of Materials	3
*	MTEC	270	CNC Mill	3
*	MTEC	280	CNC Lathe	3

Total Hours **29**

* Course has a prerequisite. See course descriptions.

INDUSTRIAL MANUFACTURING TECHNOLOGY (623)

Industrial Maintenance Technician (Certificate)

ABOUT OUR PROGRAM

This certificate program will provide students with experience in welding, mechanics, electronics, motors, and pneumatic systems. Students will also gain experience with computer applications and programming industrial control devices such as programmable logic controllers. Problem solving and troubleshooting are emphasized throughout the program.

NATURE OF WORK AND EMPLOYMENT

Graduates with this certificate are prepared to work as entry-level industrial maintenance or manufacturing plant technicians. Typical career positions include maintenance mechanic, troubleshooter, machine installer, and tool/equipment specialist. With additional experience and education, graduates can move into supervisory and advanced technical occupations.

SPECIAL CONSIDERATIONS

Note: Students wishing to enter this certificate program must have at least one (1) year of work experience in an industrial, technical, manufacturing, or production environment.

For those students interested in pursuing their education, this certificate meets the technical elective requirements of the Associate of Applied Science degree for Industrial Manufacturing Technology.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Scott Anderson, Industrial Technology Faculty
Mr. Eric Dietmeier, Industrial Technology Faculty
Mr. Steve Gellings, Industrial Technology Faculty

Required Courses

Communications (COMM 101, BUSN 141, or ENGL 121)			3
DRAF	110	Print Reading and Inspection	2
ELET	179	Electronic Principles	3
ELET	182	Devices and Circuits I	3
ELET	290	Sensors and Interfacing	4
ELET	295	Programmable Logic Controllers	4
INFT	180	Introduction to Information Systems	3
MATH	111	Technical Mathematics I	3
MTEC	164	Manufacturing Processes	3
MTEC	210	Fluid Power Systems I	3
MTEC	220	Motors and Controls	3
WELD	130	Introduction to Welding	3

Total Hours **37**

* Course has a prerequisite. See course descriptions.

INDUSTRIAL MANUFACTURING TECHNOLOGY (614)

Welding and Fabrication (Certificate)

ABOUT OUR PROGRAM

This program develops skills that students require to lay out, fabricate, and weld various metals. These skills will be developed in the areas of Print Reading, Shielded Metal Arc Welding (SMAW), Metal Inert Gas (GMAW), and Tungsten Inert Gas Welding (TIG).

NATURE OF WORK AND EMPLOYMENT

Graduates will use a fusion process to join (weld) two pieces of metal by applying intense heat, pressure, or both to melt the edges of metal so they fuse permanently. This work requires laying out jobs according to drawings or blueprints and determining the welding process best suited for the metals being fused.

SPECIAL CONSIDERATIONS

For those students interested in pursuing their education, this certificate meets the technical elective requirements of the Associate of Applied Science degree for Industrial Manufacturing Technology.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Scott Anderson, Industrial Technology Faculty
Mr. Eric Dietmeier, Industrial Technology Faculty
Mr. Steve Gellings, Industrial Technology Faculty

Required Courses

*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
	DRAF	110	Print Reading and Inspection	2
*	MATH	111	Technical Mathematics I	3
*	MTEC	110	Geometric Dimensioning & Tolerancing	3
	MTEC	164	Manufacturing Processes	3
	WELD	130	Introduction to Welding	3
*	WELD	232	Intermediate Welding & Fabrication	3
*	WELD	233	Advanced Welding Processes	3
	Technical Elective			3

Total Hours **26**

*Course has a prerequisite. See course descriptions.

Technical Electives:
Electives should be selected from courses with prefixes INFT, DRAF, ELET, ELEL, ELEM, MTEC, or WELD.

INDUSTRIAL MANUFACTURING TECHNOLOGY (628)

Basic Welding (Certificate)

ABOUT OUR PROGRAM

This program develops entry-level job skills that students require in welding and metal fabrication. These skills will be developed in the areas of Print Reading, Materials, Layout, Shielded Metal Arc Welding (SMAW), and Metal Inert Gas (GMAW).

NATURE OF WORK AND EMPLOYMENT

The Basic Welding program provides the academic and technical skills as well as occupational basics for the person wishing to enter the field as a novice worker. Graduates will use permanent fusion (welding) techniques to fabricate metal products. This work requires laying out jobs according to drawings or blueprints and determining the welding method best suited for the metals being fused.

SPECIAL CONSIDERATIONS

For those students interested in pursuing their education, this certificate meets many of the requirements of Welding and Fabrication certificate in the Associate of Applied Science degree for Industrial Manufacturing Technology.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Mr. Scott Anderson, Industrial Technology Faculty
Mr. Eric Dietmeier, Industrial Technology Faculty
Mr. Steve Gellings, Industrial Technology Faculty

Required Courses

*	BUSN	125	Mathematics of Business	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	DRAF	110	Print Reading & Inspection	2
	MTEC	101	Intro. Geom. Dim. & Tolerancing	1
	OCED	250	Career Seminar	1
	Welding		1st course in Sequence A or B (see sequences below)	3
	Welding		2nd course in Sequence A or B (see sequences below)	3

Sequence A

WELD	130	Introduction to Welding
	and	
WELD	232	Intermediate Welding & Fabrication

Sequence B

WELD	135	Shielded Arc & Oxy-Acetylene Welding
	and	
WELD	233	Advanced Welding & Fabrication

Total Hours **16**

*Course has a prerequisite. See course descriptions.

INFORMATION SYSTEMS (206)

Associate of Applied Science

ABOUT OUR PROGRAM

This program is intended to provide the graduate with the entry-level job skills necessary in an information technology field. Candidates for the degree must choose an Emphasis area for their specialty.

NATURE OF WORK AND EMPLOYMENT

Graduates with this degree typically work as computer programmers, computer technicians, technical support staff, network specialists, office administrators, or in information technology systems sales.

SPECIAL CONSIDERATIONS

Information Systems majors need to be well organized and precise. Certain required courses may be waived or credit allowed through proficiency testing.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Becky Werner, Information Systems Faculty
Mr. Jeremy Monigold, Information Systems Faculty

Required Technical Courses — 52 Sem. Hours

*	INFT	131	Beginning Microsoft Word	1
*	INFT	135	PowerPoint	1
*	INFT	140	Beginning Excel	1
*	INFT	145	Beginning Access	1
*	INFT	180	Introduction to Information Systems	3
	Selected courses from emphasis area or electives			45

Required Related Courses — 12 Sem. Hours

*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
	Communications II (COMM 214 or ENGL122)			3
	OCED	250	Career Seminar	1
	PSY	160	Psychology of Human Relations	2
	SPCH	191	Fundamentals of Speech	3

Minimum Total Hours — 64

* Course has a prerequisite. See course descriptions.

INFORMATION SYSTEMS (206)

Emphasis areas:

Programming Emphasis (Req. Courses)
27 Sem. Hours

*	BUSN	121	Introduction to Business	3
	INFT	105	Basic Keyboarding	2
*	INFT	115	Introduction to the World Wide Web	1
*	INFT	122	Introduction to Windows	1
*	INFT	132	Intermediate Microsoft Word	1
*	INFT	147	Advanced Access	1
*	INFT	190	Principles of Computer Science I	
		- or -		3
	INFT	191	Introduction to Programming	
*	MATH	111, 162, 165 & above		7
*	INFT	Programming Courses		8

Suggested Programming Courses

*	INFT	185	Visual BASIC	3
*	INFT	202	Web Programming	3
*	INFT	210	COBOL	5
*	INFT	290	Principles of Computer Science II	3

Suggested Electives

*	INFT	133	Advanced Microsoft Word	1
*	INFT	137	Desktop Publishing	3
*	INFT	142	Advanced Excel	1
*	INFT	150	Microsoft Office Integration	1
	INFT	160	Digital Pictures & Sound	1

Computer Technician Emphasis (Req. Courses)
26 Sem. Hours

*	BUSN	125	Mathematics of Business	3
*	ELET	179	Electronic Principles	3
	INFT	105	Basic Keyboarding	1
*	INFT	182	Microcomputer Hardware	3
*	INFT	282	A+ Certification	3
*	INFT	284	Net+ Certification	3
	OCED	290	Work Place Experience	4
*	MATH	111 & above		3
	Business Elective (BUSN, ACCT, or ECON)			3

Suggested Electives

*	INFT	122	Introduction to Windows	1
*	INFT	132	Intermediate Microsoft Word	1
*	INFT	133	Advanced Microsoft Word	1
*	INFT	142	Advanced Access	1
*	INFT	147	Advanced Database	1
*	INFT	150	Microsoft Office Integration	1
	INFT	160	Digital Pictures & Sound	1

* Course has a prerequisite. See course descriptions.

Office Administration Emphasis (Req. Courses)
39 Sem. Hours

	ACCT	105	Elements of Accounting	3
*	BMAC	142	Electronic Calculator	1
*	BUSN	124	Introduction to Small Business	3
*	BUSN	125	Mathematics of Business	3
*	ECON	111	Principles of Economics	
		- or -		3
	HMEC	225	Consumer Economics	
*	INFT	115	Introduction to the World Wide Web	1
*	INFT	122	Introduction to Windows	1
*	INFT	132	Intermediate Microsoft Word	1
*	INFT	133	Advanced Microsoft Word	1
*	INFT	137	Desktop Publishing	3
*	INFT	142	Advanced Excel	1
*	INFT	147	Advanced Access	1
*	INFT	150	Microsoft Office Integration	1
	OFFT	151	Keyboarding/Formatting I	4
*	OFFT	152	Keyboarding/Formatting II	3
*	OFFT	156	Keyboarding Speed & Accuracy	1
*	OFFT	161	Proofreading	1
*	OFFT	162	Pre-Transcription Skills	1
*	OFFT	163	Machine Transcription	2
*	OFFT	255	Office Procedures	4

Suggested Electives

	INFT	160	Digital Pictures & Sound	1
*	INFT	185	Visual BASIC	3
*	INFT	202	Web Programming	3

Business Emphasis (Req. Courses)
31 Sem. Hours

	ACCT	105	Elements of Accounting	3
*	ACCT	213	Financial Accounting	4
*	BUSN	124	Introduction to Small Business	3
*	BUSN	221	Business Statistics	
		- or -		3
*	MATH	177	Statistics	
*	ECON	111	Principles of Economics I	3
	INFT	105	Basic Keyboarding	2
*	INFT	182	Microcomputer Hardware	3
*	INFT	190	Principles of Computer Science I	3
*	MATH	111, 162, 165 & above		7

Suggested Electives

*	BUSN	223	Business Law I	3
*	ECON	112	Principles of Economics II	3
*	OFFT	161	Proofreading	1
*	OFFT	162	Pre-Transcription Skills	1
*	Any programming course(s)			3

General Education Electives:
ART, BIOL, CHEM, EDUC, ENGL, FREN, GEOG, GEOL, GERM, HIST, HUMA, JOUR, LIBS, MATH, MUS, NSCI, PHIL, PHYD, PHYS, POL, PSY, SOCI, SPAN, SPCH, and THEA.

INFORMATION TECHNOLOGY - HEALTH CARE (233)

Associate of Applied Science

ABOUT OUR PROGRAM

Many courses in this program are based in Highland's individualized Office Technology Lab. The lab is staffed at all times with an instructor to assist students with course work. Students are able to proceed through many courses at their own pace and at times that are convenient to both the traditional student and the person wishing to train for a new field or upgrade skills. Candidates for the degree must choose an Emphasis area for their specialty.

NATURE OF WORK AND EMPLOYMENT

Every time a patient receives healthcare, a record is maintained of the observations, medical or surgical interventions, and treatment outcomes. This record includes information that the patient provides concerning his or her symptoms and medical history, the results of examinations, reports of x-rays and laboratory tests, diagnoses, and treatment plans. Medical records and health information technicians organize and evaluate these records for completeness and accuracy.

Medical records and health information technicians usually work a 40-hour week. Some overtime may be required. In hospitals – where health information departments often are open 24 hours a day, 7 days a week – technicians may work day, evening, and night shifts.

Medical records and health information technicians work in pleasant and comfortable offices. This is one of the few health occupations in which there is little or no direct contact with patients. Because accuracy is essential in their jobs, technicians must pay close attention to detail. Technicians who work at computer monitors for prolonged periods must guard against eyestrain and muscle pain.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Becky Werner, Information Systems Faculty

Required Technical Courses — 49 Sem. Hours

	ACCT	105	Elements of Accounting	3
*	BMAC	142	Electronic Calculator	1
*	BUSN	124	Introduction to Small Business	3
*	BUSN	125	Mathematics of Business	3
*	INFT	115	Introduction to the World Wide Web	1
*	INFT	122	Introduction to Windows	1
*	INFT	131	Beginning Microsoft Word	1
*	INFT	132	Intermediate Microsoft Word	1
*	INFT	133	Advanced Microsoft Word	1
*	INFT	135	PowerPoint	1
	ITHC	101	Medical Terminology I	1
*	ITHC	102	Medical Terminology II	1
*	ITHC	103	Medical Terminology III	1
*	ITHC	220	Anatomy for Information Technology	3
	OFFT	154	Office Professionalism Seminar	1
*	OFFT	161	Proofreading	1
*	OFFT	162	Pre-Transcription Skills	1
*	OFFT	255	Office Procedures	4
	Select courses from emphasis area			20

Required Related Courses — 14 Sem. Hours

*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
*	Communications II (COMM 214 or ENGL 122)			3
	HMEC	225	Consumer Economics	3
	SPCH	191	Fundamentals of Speech	3
	PSY	160	Psychology of Human Relations	2

Total Hours — 63

* Course has a prerequisite. See course descriptions.

INFORMATION TECHNOLOGY - HEALTH CARE (233)

Associate of Applied Science (con't.)

Medical Transcription Emphasis

ABOUT OUR PROGRAM

The program prepares the student for entry-level employment as a medical transcriptionist in hospitals, clinics, doctors' offices, and other medical facilities utilizing dictating and transcribing equipment. The program involves science-based courses in anatomy and medical terminology.

NATURE OF WORK AND EMPLOYMENT

The medical transcriptionist transcribes dictated orders and records for patients' permanent files. The student must possess skills and knowledge in science and terminology and have the ability to work with a variety of styles and preferences in dictating. The work is very important to the establishment of a smooth and error-free record-keeping process that is critical to the medical and medical-related fields. This program prepares versatile employees who are able to accept higher levels of responsibility.

Required Courses			20 Sem. Hours
* INFT	140	Beginning Excel	1
* INFT	145	Beginning Access	1
OFFT	151	Keyboarding/Formatting I	4
* ITHC	155	Medical Transcription	2
* OFFT	156	Keyboarding Speed & Accuracy	1
* ITHC	157	Advanced Medical Transcription	3
* OFFT	163	Machine Transcription	2
Electives from any area			6

Medical Coding Emphasis

ABOUT OUR PROGRAM

The Medical Coding Program is designed to prepare individuals to understand coding principles, guidelines, medical terminology and regulatory changes for coding. The program is designed to offer a wide variety of learning experiences including classroom lecture and observation in a hospital setting.

NATURE OF WORK AND EMPLOYMENT

Medical Coders are professionals skilled in classifying medical data from patient records. These coders review patients' records and assign numeric codes for each diagnosis and procedure. Coding accuracy is highly important to healthcare organizations because of its impact on revenues and describing health outcomes. Numerous career opportunities exist in hospitals, physician offices, clinics, home health agencies and other healthcare settings. Graduates are eligible to take the national medical coding exams for certification.

Required Courses			20 Sem. Hours
INFT	105	Basic Keyboarding	1
* INFT	180	Introduction to Information Systems	3
* ITHC	201	Medical Coding	8
* ITHC	205	Advanced Medical Coding	2
* OCED	290	Office Practicum (Observation)	1
Electives from any area			5

INFORMATION TECHNOLOGY - HEALTH CARE (234)

Medical Coding (Certificate)

ABOUT OUR PROGRAM

The Medical Coding Program is a certificate program designed to prepare individuals to understand coding principles, guidelines, medical terminology and regulatory changes for coding. The program is designed to offer a wide variety of learning experiences including classroom lecture and observation in a hospital setting.

NATURE OF WORK AND EMPLOYMENT

Medical Coders are professionals skilled in classifying medical data from patient records. These coders review patients' records and assign numeric codes for each diagnosis and procedure. Coding accuracy is highly important to healthcare organizations because of its impact on revenues and describing health outcomes. Numerous career opportunities exist in hospitals, physician offices, clinics, home health agencies and other healthcare settings. Successful graduates are eligible to take the national medical coding exams for certification.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Becky Werner, Information Systems Faculty

Required Technical Courses — 28 Sem. Hours

*	BUSN	125	Mathematics of Business	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	INFT	105	Basic Keyboarding	1
*	INFT	180	Introduction to Information Systems	3
	ITHC	101	Medical Terminology I	1
*	ITHC	102	Medical Terminology II	1
*	ITHC	103	Medical Terminology III	1
*	ITHC	201	Medical Coding	8
*	ITHC	205	Advanced Medical Coding-Hospital	2
*	ITHC	220	Anatomy for Information Technology	3
*	OCED	290	Office Practicum (Observation)	1
	OFFT	154	Office Professionalism Seminar	1

Total Hours **28**

* Course has a prerequisite. See course descriptions.

INFORMATION TECHNOLOGY - HEALTH CARE (232)

Medical Transcriptionist (Certificate)

ABOUT OUR PROGRAM

The program prepares the student for entry-level employment as a medical transcriptionist in hospitals, clinics, doctors' offices, and other medical facilities utilizing dictating and transcribing equipment. The program involves science-based courses in anatomy and medical terminology.

NATURE OF WORK AND EMPLOYMENT

The medical transcriptionist transcribes dictated orders and records for patients' permanent files. The student must possess skills and knowledge in science and terminology and have the ability to work with a variety of styles and preferences in dictating. The work is very important to the establishment of a smooth and error-free record-keeping process that is critical to the medical and medical-related fields.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean Business/Technology

Becky Werner, Information Technology/Office Technology Faculty

Required Courses — 32 Sem. Hours

*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
*	INFT	131	Beginning Microsoft Word	1
*	INFT	132	Intermediate Microsoft Word	1
*	INFT	133	Advanced Microsoft Word	1
*	INFT	140	Beginning Excel	1
*	INFT	145	Beginning Access	1
	ITHC	101	Medical Terminology I	1
*	ITHC	102	Medical Terminology II	1
*	ITHC	103	Medical Terminology III	1
*	ITHC	155	Medical Transcription	2
*	ITHC	157	Advanced Medical Transcription	3
*	ITHC	220	Anatomy for Information Technology	3
*	OFFT	151	Keyboarding/Formatting I	4
	OFFT	154	Office Professionalism Seminar	1
*	OFFT	156	Keyboard Speed & Accuracy	1
*	OFFT	161	Proofreading	1
*	OFFT	162	Pre-Transcription Skills	1
*	OFFT	163	Machine Transcription	1
*	OFFT	255	Office Procedures	4

Total Hours **32**

* Course has a prerequisite. See course descriptions.

INFORMATION WORD PROCESSING (221)

Certificate Program

ABOUT OUR PROGRAM

This program prepares students for entry-level positions in word processing. The program may be especially beneficial to individuals currently working as secretaries and those who desire advanced training in office automation.

Many courses in this program are based in Highland's individualized Office Technology Lab. The lab is staffed at all times with an instructor to assist students with their course work. Students are able to proceed through many courses at their own pace and at times that are convenient to both the traditional student and to the person wishing to train for a new field or to upgrade his/her skills.

NATURE OF WORK AND EMPLOYMENT

Program graduates find jobs with public utilities, manufacturing, insurance, finance, and real estate firms. Trained operators of word processing programs are often responsible for the transcription and typing for several departments.

SPECIAL CONSIDERATIONS

Certain required courses may be waived or credit allowed through proficiency testing. The type of position obtained with this certificate would develop into an administrative assistant position with the addition of further course work toward an Associate degree.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean of Business & Technology
Ms. Becky Werner, Information Systems Faculty

Required Technical Courses — 25 Sem. Hours

*	INFT	131	Beginning Microsoft Word	1
*	INFT	132	Intermediate Microsoft Word	1
*	INFT	133	Advanced Microsoft Word	1
*	INFT	122	Introduction to Windows	1
*	INFT	135	PowerPoint	1
*	INFT	137	Desktop Publishing	3
*	INFT	140	Beginning Excel	1
*	INFT	145	Beginning Access	1
*	INFT	180	Introduction to Information Systems	3
	OFFT	151	Keyboarding/Formatting I	4
	OFFT	154	Office Professionalism Seminar	1
*	OFFT	161	Proofreading	1
*	OFFT	162	Pre-Transcription Skills	1
*	OFFT	163	Machine Transcription	1
*	OFFT	255	Office Procedures	4

Related Required Courses — 9 Sem. Hours

	ACCT	105	Elements of Accounting	3
*	Communications (COMM 101, BUSN 141, or ENGL 121)			3
	SPCH	191	Fundamentals of Speech	3

Total Hours **34**

* Course has a prerequisite. See course descriptions.

LIBERAL ARTS (303 or 304)

Associate of Arts/Associate of Science

ABOUT OUR PROGRAM

This program is designed for the student intending to transfer to a senior institution to complete a baccalaureate degree. Students unsure or undecided about their majors may follow this guideline. All courses may be applied to a major.

NATURE OF WORK AND EMPLOYMENT

Many employers seek employees with a non-specific baccalaureate degree. They desire applicants who possess a general body of knowledge rather than a specific concentration.

SPECIAL CONSIDERATIONS

The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that special requirements of the department and the institution to which they plan to transfer are met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Thompson Brandt, Associate Dean Humanities/Social Science

FIRST SEMESTER — 17 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
	HIST	141	Western Civilization I	3
	PSY	161	Introduction to Psychology	3
	Foreign Language			4
	Physical/Life Science Requirement			4

SECOND SEMESTER — 16/17 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
	HIST	142	Western Civilization II	3
	MUS	267	Introduction to Music	3
	Foreign Language			4
	Physical/Life Science Requirement			3/4

THIRD SEMESTER — 15 Sem. Hours

	HUMA	104	Introduction to Humanities	3
	PHIL	281	Introduction to Philosophy	3
	POL	152	American Government and Politics	3
	SPCH	191	Fundamentals of Speech	3
	Mathematics Requirement			3

FOURTH SEMESTER — 16 Sem. Hours

	PHIL	282	Ethics	3
	SOCI	171	Introduction to Sociology	3
	History Elective			3
	Literature Elective			3
	Mathematics Elective			4

Total Hours = 64/65

* Course has a prerequisite. See course descriptions.

NOTE: Students should check with an academic advisor about diversity in requirements between Arts and Science degrees.

MATHEMATICS (410)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Majors in mathematics study mathematical principles, relationships, and methods of analysis. Applied mathematicians apply these methods and principles to the solution of problems in science, engineering, business, and industry.

NATURE OF WORK AND EMPLOYMENT

The most common jobs people have one year after receiving a baccalaureate degree with this major are secondary teacher, computer programmer, actuary, and computer analyst.

SPECIAL CONSIDERATIONS

The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they plan to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Steve Mihina, Mathematics Faculty
Cindy Musser, Mathematics Faculty

FIRST SEMESTER — 15 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
*	MATH	168	Analytic Geometry and Calculus I	5
	SPCH	191	Fundamentals of Speech	3
	** Physical/Life Science Requirement			4

SECOND SEMESTER — 18 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
*	MATH	268	Analytic Geometry and Calculus II	5
	HIST/POL Requirement			3
	** Physical/Life Science Requirement			4
	Social/Behavioral Science Requirement			3

THIRD SEMESTER — 16 Sem. Hours

*	MATH	177	Statistics	3
*	MATH	262	C Programming for Science & Engineering	4
*	MATH	265	Differential Equations	3
	Humanities/Fine Arts Requirement			3
	Social/Behavioral Science Requirement			3

FOURTH SEMESTER — 18 Sem. Hours

*	MATH	266	Mechanics: (Statics and Dynamics)	5
*	MATH	269	Analytic Geometry and Calculus III	4
*	MATH	270	Linear Algebra	3
	Humanities Requirement			3
	Fine Arts Requirement			3

Total Hours = 67

* Course has a prerequisite. See course descriptions.

** Course could be applied toward a minor concentration or second major.

MUSIC (306)

Associate of Arts

ABOUT OUR PROGRAM

This program is designed for the student who plans to transfer to a senior institution to complete a baccalaureate degree. Students enrolled as music majors concentrate in applied music (instrumental and/or vocal), music theory, aural skills, piano proficiency, and music performance.

NATURE OF WORK AND EMPLOYMENT

Following completion of a four-year baccalaureate degree in this major, the most common employment position opportunities are elementary and secondary music educators, church and community music directors, private studio music instruction, and professional performers.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an academic advisor and a member of the music faculty to ensure that special requirements of the department and institution to which they plan to transfer are fully met. NOTE: Piano majors should take two semesters of applied minor MUS 172/Voice in place of MUS 177 and 178 Class Piano. Vocal majors should consider taking a foreign language if possible. Students with an emphasis in Jazz Performance should substitute Jazz Improvisation I and II for applied major MUS 171/III, IV.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Allen Redford, Music Faculty (Vocal)

Dr. Thompson Brandt, Associate Dean Humanities/Social Science

FIRST SEMESTER — 18 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
*	MUS	161	Theory I	4
	MUS	171	Applied Music Major	2
	MUS	177	Class Piano I	2
	PSY	161	Introduction to Psychology	3
	Choral or Instrumental Performance			1
*	Mathematics Requirement			3

SECOND SEMESTER — 18 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
*	MUS	162	Theory II	4
	MUS	171	Applied Music Major	2
*	MUS	178	Class Piano II	2
	SPCH	191	Fundamentals of Speech	3
	Choral or Instrumental Performance			1
	HIST/POL Requirement			3

THIRD SEMESTER — 17 Sem. Hours

	MUS	171	Applied Music Major	2
*	MUS	261	Theory III	4
	Choral or Instrumental Performance			1
	Humanities/Fine Arts Requirements			6
	Physical/Life Science Requirement			4

FOURTH SEMESTER — 19 Sem. Hours

	MUS	171	Applied Music Major	2
*	MUS	262	Theory IV	4
	Choral or Instrumental Performance			1
	Physical/Life Science Requirement			3
	Fine Arts Requirement			3
	Humanities Requirement			3
	Social/Behavioral Science Elective			3

Total Hours = 72

* Course has a prerequisite. See course descriptions.

NAIL TECHNICIAN

Certificate Program

ABOUT OUR PROGRAM

Highland offers training, which meets or exceeds the State Department of Financial and Professional Regulation requirement of 350 clock hours for state licensure in nail technology. Included in this program is basic through advanced training in the areas of nail care, nail extensions and pedicuring. Training also includes the completion of a Business Communication class and a related electives class, which give the graduates additional entrepreneur skills towards salon ownership. This program operates on a space available basis.

NATURE OF WORK AND EMPLOYMENT

Program graduates , once licensed, may find employment providing nail care services to salon clientele. Salons today offer stylists many opportunities. Other career possibilities for a licensed nail technician may include educator, product company representative or salon owner/manager.

SPECIAL CONSIDERATIONS

Admission and enrollment procedures for this program are not the same as for other college programs and classes. Students interested in this program should contact the program instructor to obtain enrollment procedures. Students are not permitted to register by mail or walk-in for this program. Graduates of Highland's program must also pass a state board examination to obtain a license to practice.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Michael Spangler, Dean Business & Technology
Cathie Schmerse, Cosmetology Faculty

Required Courses

COSM	190	Nail Technology I	2
COSM	192	Nail Technology II	2
COSM	194	Nail Technology III	2
COSM	196	Nail Technology IV	3
Communications (BUSN 141, COMM 101, or ENGL 121)			3
Restricted elective			3
OCED	250	Career Seminar	1

Total Hours **16**

Restricted elective from: ACCT, BUSN, INFT, HMEC, THEA 186, COSM 180

* Course has a prerequisite. See course descriptions.

NURSING PROGRAMS

Associate of Applied Science in Nursing (ADN)
Practical Nursing Certificate (PN)
Nursing Assistant Certificate (CNA)

ADMISSION PROCESS

The admission process is designed to admit students who are most likely to be successful in the academically challenging nursing curriculum and to do so in an impartial manner. The process includes prerequisite requirements and an admission procedure. It is strongly recommended that all students see his/her academic advisor to develop a personal academic plan for completing prerequisite course requirements.

PHYSICAL DEMANDS

The physical demands described below are representative of those that must be met by the nurse or student nurse to successfully perform the essential functions of both the job requirements of a nurse and the required clinical experiences of a student nurse. While performing the duties of the nursing program/job, the student nurse is regularly required to stand; walk; use hands to finger, handle or feel objects, tools or controls; talk; and hear. The student nurse is frequently required to sit, reach with hands and arms, stoop, kneel, crouch, and/or crawl. The student nurse/nurse must regularly move up to ten pounds, frequently lift and/or move up to 25 pounds, and occasionally lift and/or move up to 100 pounds.

It is the responsibility of the student applying for admission to the nursing program to notify the Associate Dean of Natural Science and Health in his/her Request for Admission to the Nursing Program (RANP) any concerns regarding the physical, mental, or emotional health of the applicant that could impact the student's success in the program.

REQUIREMENTS TO BE MET BEFORE APPLICATION TO THE PROGRAM:

1. A GED certificate or high school diploma and an official, final high school transcript must be on file in the HCC Admissions Office.
2. The student's score on the Nursing Entrance Test (NET) must be 50% or higher.
3. The student's Grade Point Average (GPA) must be 2.2 or higher on all courses that are a prerequisite to the specific nursing program.
4. Prerequisite Courses: Some courses may be in progress at the time of application. Students are not admitted until all prerequisite courses are completed. All courses must be completed with at least the grade of "C" (2.0).
5. HCC placement test results indicating that the applicant does not need any reading development course, does not need any math course below MATH 162, and does not need any English communication course below ENGL 121. Successful completion of appropriate courses will satisfy any deficiencies identified by placement tests.
6. A current CNA certificate must be on files in the Division office.

Prerequisite Courses:

ADN — **11/12 Credit Hours**

BIOL	117	Basic Nutrition	3
BIOL	120	Foundations of Anatomy & Physiology	5
CHEM	120	General Chemistry	3/4

PN — **8 Credit Hours**

BIOL	117	Basic Nutrition	3
BIOL	120	Foundations of Anatomy & Physiology	5

NURSING PROGRAMS

ADMISSION TO THE NURSING PROGRAM

(eligible to register for nursing core courses)

**Students must see their academic advisor to register for any nursing core courses.

1. A Request for Admittance into the Nursing Program (RANP) must be received by February 1 by the Associate Dean of Science & Health requesting to be considered for admission to the nursing program and indicating the fall semester he/she wishes to begin the core nursing curriculum. Applicant must specify to which program (day or evening AD or PN) they wish to be admitted.
2. When the RANP is received and all prerequisite courses completed and NET results are on file, the selection committee (nursing faculty) will make the decision regarding admission. This occurs only at the end of the spring semester. The applicant will be notified of the committee's decision by US Mail by the beginning of June. Incomplete folders will not be reviewed.
3. Applicants are ranked according to a point system. Points are awarded in the following manner:

Nursing Entrance Test (NET) Score:

Composite percentage of 75% or above = 15 points
Composite percentage of 74% - 50% = 10 points
Composite percentage below 50% = 0 points

Prerequisite Work:

Prerequisite work is evaluated as follows. Grades earned in the latest attempt at prerequisite courses (the points will be multiplied by the number of credits in the course):

A = 4 points
B = 3 points
C = 2 points

Example: Grade of "A" in BIOL 117 = 4 (points) x 3 (credits) = 12 pts.

The points from the NET are added to the points earned on prerequisite courses.

ADN applicants who have earned 38 or more points at the time of application review will be accepted into the day or evening ADN program until the maximum class size is accepted.

PN applicants who have earned 24 or more points at the time of file review will be accepted into the PN program until the maximum class size is filled.

A limited number of spaces in the practical nursing class are allotted to current high school students. The prospective students are accepted on a provisional basis, depending upon successful completion of both high school and all prerequisite courses for the practical nursing program.

4. Applicants who are not selected may reapply for succeeding years by following regular application procedures. Individuals may wish to retake the NET exam one time and/or prerequisite course, if that is an option.
5. Applicants from other college districts will be considered for admission after July 1. Residents of the Highland Community College district will have priority in the day AD & PN program if the other criteria are judged to be equal.
6. Readmission: Applicants who are admitted into a nursing program, but do not complete the program in the normal sequence, may reapply for the program only once through the regular admission process. The selection committee may recommend admission of a candidate into a specific program (ADN or PN) which they feel best meets the needs and abilities of the candidate.

NURSING PROGRAMS

PN to ADN Option

Graduates of Highland's PN program may transfer their first two semesters of nursing core courses of the PN program into Highland's ADN program. However, there are limitations.

1. This option is only available within five years of graduation from HCC PN program.
2. The LPN must submit a new Request for Admittance into the Nursing Program (RANP).
3. All ADN admission criteria must be met.
4. Current LPN license must be on file in the Nursing office.
5. A GPA of 2.2 on all pre-requisite courses to the second year of the AD program. This includes the following courses: BIOL 211 General Microbiology - 4 credits; CHEM 120 General, Organic & Biological Chemistry - 3 credits; and PSYC 161 Intro to Psychology - 3 credits
6. All LPN applicants are required to complete the HESI PN Exit Exam. The exam is taken in the nursing department and the cost is $ 33.00 (cost is subject to change). Contact the secretary to schedule testing. HESI PN Exit Exam is the test administered to all HCC PN students in the weeks prior to their graduation from the program and is highly predictive of NCLEX-PN success. LPNs who wish to become RNs are expected to score 90, or 5 points (not percent) higher than graduating PNs which will demonstrate professional growth based on your nursing experiences. Applicants may be required to complete nursing refresher courses depending on results of the HESI exam.
7. Three acceptable references from supervisory nursing personnel who are familiar with the applicant's nursing practice.
8. Admission into AD program is not guaranteed and is based on a number of factors, including grades on the above named pre-requisite courses, space availability, HESI score, and residency (day program only).

Bachelor of Science completion program

Northern Illinois University offers a Bachelor of Science in Nursing (BSN) completion program online. Only Registered Nurses who have completed NIU's admission process as well as all of the prerequisite courses required by NIU are eligible for acceptance. All of the prerequisite courses are available from Highland, and the core curriculum of the BSN Completion Program will be offered on-line. RNs interested in learning more about this program are encouraged to contact one of the following:

Connie Uhlken, RN, MS , Northern Illinois University
Undergraduate Academic Advisor
815/753-6556 or e-mail: uhlken@niu.edu

Cec Gloden, Highland Community College
Academic Advisor • 815/599-3512;
e-mail: cec.gloden@highland.edu

Deb Boettner, Highland Community College
Secretary • 815/599- 3433;
e-mail: deb.boettner@highland.edu

NURSING (421)

Associate of Applied Science

ABOUT OUR PROGRAM

The Associate Degree Nursing Program (ADN) prepares students to take the NCLEX-RN exam. Upon successful completion of the exam, the student is eligible to become licensed as a Registered Nurse (RN).

NATURE OF WORK AND EMPLOYMENT

Positions are available for RNs in long-term care facilities, home health, hospitals, physicians' offices, and clinics. Employment is available nationwide. There is a critical nursing shortage that is expected to continue until at least 2020. Nurses may continue their formal nursing education by going on for a baccalaureate degree at the NIU-BSN completion program online. HCC nursing graduates may want to consider pursuing a Masters' degree in nursing instead of a Bachelors'; an option that is becoming more readily available. Students should check with an academic advisor for more information regarding transfer to other institutions and what requirements may be needed before transfer is possible.

SPECIAL CONSIDERATIONS

A Request for Admittance into Nursing Program (RANP) is required to be considered for admission. Early submission is recommended.

PROGRAM CONTACTS

Call Highland for the following program contacts:

Cecilia Gloden, Academic Advisor, 815/599-3512
Cheryl Graff, Nursing Faculty, 815/599-3452
Donna Kauke, Nursing Faculty, 815/599-3475
Norma Lestikow, Nursing Faculty, 815/599-3475
Barbara Merhley, Nursing Faculty, 815/599-3439
Glenda Pecka, Nursing Faculty, 815/599-3626
Tracy Towne, Nursing Faculty, 815/599-3626
Deb Boettner, Division Secretary, 815/599-3433

TO BE CONSIDERED FOR THE PROGRAM, STUDENTS MUST HAVE:

1. Completed a high school diploma or General Education Diploma (GED).
2. Submission of all transcripts from high school, colleges, universities, nursing, and vocational schools must be submitted to the Admissions Department prior to acceptance.
3. Nelson-Denny score of 13. The test is administered at no cost and arrangements to take the test can be made in the Division Office with Deb Boettner @ 599-3433.
4. Completion of MATH 065 or equivalent as determined by the College Placement Test.
5. Completion of the Nursing Entrance Test (NET) with an acceptable score.
6. Completed all prerequisite courses with a GPA of 2.2 or higher.
7. Current CNA certificate on file in the Division office.
8. Submission of three satisfactory references. (A reference package will be sent to the student after the RANP has been received).

NURSING (421)

PROGRAM PREREQUISITE COURSES

11/12 Credit Hours

*	BIOL	117	Basic Nutrition	3
*	BIOL	120	Foundations of Anatomy & Physiology	5
*	CHEM	120	General Chemistry	3/4

NOTE: CHEM 101 or permission of instructor and one year of high school algebra or MATH 065 or placement into MATH 162 are the prerequisites to CHEM 120.

SUPPORT COURSES — 13 Credit Hours

***	BIOL	211	General Microbiology	4
**	ENGL	121	Rhetoric & Composition I	3
***	PSY	161	Introduction to Psychology	3
****	PSY	262	Human Growth and Development	3

CORE CURRICULUM

Fall - First Year — 14 Credit Hours

NURS	191	Clinical Development I	10
BIOL	103	Introduction to Pharmacology	1
NURS	194	Gerontology	3

Spring - First Year — 15 Credit Hours

NURS	192	Clinical Development II	12
BIOL	104	Pharmacology	3

Fall - Second Year — 12 Credit Hours

NURS	292	Clinical Development IIIA	6
NURS	293	Psychiatric Nursing	5
NURS	298	Perspectives and Leadership in Nursing	1

Spring - Second Year — 16 Credit Hours

NURS	291	Family Nursing	6
NURS	294	Clinical Development IIIB	10

Total Hours = 70

* Course MUST be taken prior to program entry

** Course may be taken prior to program entry

*** Course must be completed prior to beginning the third semester of the core curriculum

**** Course must be completed prior to beginning the fourth semester of the core curriculum

PRACTICAL NURSING (419)

Certificate Program

ABOUT OUR PROGRAM

This program prepares students to take the NCLEX-PN exam. Upon successful completion of the exam, the student is eligible to become licensed as a Practical Nurse (LPN).

NATURE OF WORK AND EMPLOYMENT

Positions are available for LPNs in both acute and long-term care facilities, home health, hospitals, physicians' offices, and clinics. Employment is available nationwide. A critical shortage of all nurses is expected to continue through the year 2020. **All but 6 credits from the PN program transfer into Highland's ADN program.**

SPECIAL CONSIDERATIONS

The ability to care, to be flexible, to have positive interpersonal skills, a willingness to learn and ability to work hard and be a team player will increase the student's chances of being successful in this program. A Request for Admittance into Nursing Program (RANP) is required prior to admission into the Nursing program.

PROGRAM CONTACTS

Call Highland for the following program contacts:

Cecilia Gloden, Academic Advisor, 815/599-3512
Cheryl Graff, Nursing Faculty, 815/599-3452
Donna Kauke, Nursing Faculty, 815/599-3475
Norma Lestikow, Nursing Faculty, 815/599-3475
Barbara Merhley, Nursing Faculty, 815/599-3439
Glenda Pecka, Nursing Faculty, 815/599-3626
Tracy Towne, Nursing Faculty, 815/599-3626
Deb Boettner, Division Secretary, 815/599-3433

TO BE CONSIDERED FOR THE PROGRAM, STUDENTS MUST HAVE:

1. Completed a high school diploma or General Education Diploma (GED).
2. Submission of all transcripts from high school, colleges, universities, nursing, and vocational schools must be submitted to the Admissions Department prior to acceptance.
3. Completion of MATH 065 or equivalent as determined by the College Placement Test.
4. Completion of the Nursing Entrance Test (NET) with an acceptable score.
5. Completion of all prerequisite courses with a GPA of 2.2 or higher.
6. Current CNA certificate on file in the division office.
7. Nelson-Denny score of 13. The test is administered at no cost and arrangements to take the test can be made in the Division Office with Deb Boettner @ 599-3433.
8. Submission of three satisfactory references. (A reference package will be sent to the student after the RANP is received).

PROGRAM PREREQUISITE COURSES — 8 Credit Hours

*	BIOL	117	Basic Nutrition	3
*	BIOL	120	Foundations of Anatomy & Physiology	5

SUPPORT COURSES — 3 Credit Hours

**ENGL121			Rhetoric & Composition I	3

CORE CURRICULUM Fall Semester — 14 Credit Hours

BIOL	103	Principles of Pharmacology	1
NURS	191	Clinical Development I	10
NURS	194	Gerontology	3

Spring - First Year — 16 Credit Hours

NURS	192	Clinical Development II	12
NURS	193	Nursing Perspectives	1
BIOL	104	Pharmacology	3

Summer Session — 6 Credit Hours

NURS	099	Practical Nursing and the Family	6

Total Hours = 47

* Course MUST be taken prior to program entry

** Course may be taken prior to program entry

NURSE'S AIDE (429)

Certificate Program

ABOUT OUR PROGRAM

This program prepares students to take the state certification exam for Nursing Assistants. Upon successful completion of the exam, students may work as Certified Nursing Assistants (CNA). This certification program is offered every semester, including the summer session, at the main campus in Freeport. It is also scheduled at an off-campus site annually. This class requires 80 hours of classroom lecture and 40 hours of clinical time.

NATURE OF WORK AND EMPLOYMENT

Positions are available for CNAs in acute and long-term care facilities and home health-care in the immediate area. Employment is available nationwide. This is an entry-level position in the health care field. Students may chose to continue in a program in nursing by entering one of the nursing programs offered at Highland.

SPECIAL CONSIDERATIONS

The ability to care, a willingness to learn, and the ability to work hard and be a team player will increase the student's chances of being successful in this program. There are no pre-admission requirements.

PROGRAM CONTACTS

Call Highland for the following program contacts:

Cecilia Gloden, Academic Advisor, 815/599-3512
Cheryl Graff, Nursing Faculty, 815/599-3452
Donna Kauke, Nursing Faculty, 815/599-3475
Norma Lestikow, Nursing Faculty, 815/599-3475
Barbara Merhley, Nursing Faculty, 815/599-3439
Glenda Pecka, Nursing Faculty, 815/599-3626
Tracy Towne, Nursing Faculty, 815/599-3626
Deb Boettner, Division Secretary, 815/599-3433

REQUIRED COURSE			8 Sem. Hours
NURS	091	Nurse Assistant	8

Total Hours = 8

PARAPROFESSIONAL EDUCATION (505 & 507)

Associate of Applied Science Degree (505) Certificate Program (507)

ABOUT OUR PROGRAM

The purpose of the Paraprofessional AAS Degree and Certificate Program is to prepare prospective teacher aides to enter the workforce after meeting the Federal Teacher Aide Certification requirements. As education has moved towards specialization, one of the largest areas of growth is the teacher aide field. This growth has created an increasing need for properly trained and certified teacher aides. The Highland Community College, Teacher Aide, Paraprofessional AAS Degree Program offers the student the theory and practical skills training necessary to not only meet certification requirements, but to exceed them.

The target population for the Teacher Aide, Paraprofessional AAS Degree Program includes the following: persons desiring career entry skills; displaced workers pursuing retraining into new career areas; and current teacher aides in need of upgraded skills.

There are two items of particular interest in this program. The first is the attention given to communications and math skills. Feedback from the college curriculum and instruction committee has traditionally assured faculty that emphasizing these areas will afford improved academic value for students.

The second noteworthy feature concerns the component of special education and educational technology in the curriculum. These areas are of vital importance to today's educator, and having strong skills in each will enable teacher aides who are graduated from our program to contribute significant value to full-time teachers in their school settings.

The Teacher Aide, Paraprofessional AAS Degree Program is complementary to the Early Childhood Education Program and Associate of Applied Science programs at Highland Community College. The programs will share faculty, facilities, and resources allowing improved economies of delivery. Appraisals of local market need have shown a considerable demand for trained teacher aides. A review of local employers indicates a steady demand for this career to address issues of growth and employee retention.

NATURE OF WORK AND EMPLOYMENT

The typical program graduate is prepared to be a teacher's aide in either a public or private school.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Thompson Brandt, Associate Dean of Humanities/Social Science

Dr. Michael Spangler, Dean of Business & Technology

Ms. Leah Timberlake, Early Childhood Faculty

AAS Degree Model (Paraprofessional) General Education

*	ENGL	121	Rhetoric and Composition I	3
*	ENGL	122	Rhetoric and Composition II	3
	SPCH	191	Fundamentals of Speech	3
*	SOCI	276	Racism and Diversity in Cont. Society	3
	PSY	161	Introduction to Psychology	3
**	Humanities/Fine Arts Elective			3
**	MATH	164	Math for Elementary Teachers	4

Total Hours = 22

AAS Degree Model (Paraprofessional) Professional Education

**	EDUC	221	The American Public School	3
**	EDUC	100	Education Observation I	1
+	EDUC	224	Introduction to Special Education	3
*	EDUC	225	Educational Technology	3
**	PSY	262	Human Growth and Development	
			- and/or -	3
**	PSY	162	Educational Psychology	
**	CHLD	286	Children's Literature, Reading, and Lang Arts	
			- and/or -	3
**	CHLD	285	Principles of Reading Methods	
**	MATH	174	Math for Elementary Teachers II	4

Total Hours = 23

* Course has a prerequisite. See course descriptions.

** IAI approved course

\+ Currently being considered for IAI approval

Electives — 21 Required Hours

+ CHLD	181	Intro to Early Childhood	3
** PHYD	112	Health	
	- or -		
+ PHYD	212	Nutrition	2/3
	- or -		
+ CHLD	186	Health of Young Children	
** NSCI	131	Physical Science	
	- or -		4
** NSCI	132	Physical Geography	
** CHILD	282	Art for Teachers	
	- or -		3
ART	110	Introduction to Art	
** CHLD	187	Practicum I	3
+ CHLD	191	Practicum II	3
** PSY	261	Teaching Strategies and Styles	3
** SPAN	155	Elementary Spanish	3
** SOCI	274	Marriage and Family	3
+ CHLD	189	Child, Family, and Community	3
** CHLD	190	Music and Movement	3
** CJS	208	Juvenile Delinquency	3

Total Hours for Degree = 66

Certificate Model (Paraprofessional)

** EDUC	221	The American Public School	3
** EDUC	100	Education Observation I	1
+ EDUC	224	Introduction to Special Education	3
* EDUC	225	Educational Technology	3
** PSY	262	Human Growth and Development	
	- and/or -		3
** PSY	162	Educational Psychology	
**CHLD	286	Children's Literature, Reading, and Lang Arts	3
** MATH	164	Math for Elementary Teachers	4
* ENGL	121	Rhetoric and Composition I	3
** PSY	161	Introduction to Psychology	3
* SOCI	276	Racism and Diversity in Cont. Society	3
+ CHLD	186	Health of Young Children	
** MATH	174	Math for Elementary Teachers II	4
+ CHLD	181	Intro to Early Childhood	3

Total Hours = 39

PHYSICAL EDUCATION (510)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Highland's program and comprehensive facility enables the student to receive an excellent background of experience in physical education, sports, and recreation.

NATURE OF WORK AND EMPLOYMENT

College graduates of four-year baccalaureate programs with a major in physical education or the related fields of fitness, health, recreation, or sports will discover many opportunities for career employment within the education system as teachers, coaches, trainers, and administrators. Graduates may also find employment within industry as fitness, recreation, and sport specialists and within the health professions as fitness, physical, and recreational therapists.

SPECIAL CONSIDERATIONS

Careers in physical education and related fields are challenging, interesting and personally rewarding. The work environment is most often surrounded with a high degree of enthusiasm and motivation. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they plan to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Pete Norman, Director of Physical Ed. and Athletics

FIRST SEMESTER — 17 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
	PHYD	111	Introduction to Physical Education	2
	PHYD	212	First Aid	2
	PSY	161	Introduction to Psychology	3
	HIST/POL Requirement			3
	Social/Behavioral Science Requirement			3
	PHYD Activity Elective			1

SECOND SEMESTER — 16 Sem. Hours

	BIOL	114	Personal and Community Health	2
*	ENGL	122	Rhetoric and Composition II	3
	SPCH	191	Fundamentals of Speech	3
	Mathematics Requirement			4
	PHYD Activity Elective			1
†	Elective(s)			3

THIRD SEMESTER — 15 Sem. Hours

	PHIL	281	Introduction to Philosophy	3
	Fine Arts Requirement			3
	Mathematics Requirement			3
	Physical/Life Science Requirement			4
	PHYD Activity Elective			2

FOURTH SEMESTER — 15 Sem. Hours

	PHYD	135	Games in Elementary Physical Education	3
	Physical/Life Science Requirement			4
	PHYD Activity Elective			1
	Social/Behavioral Science Elective			3
	Humanities/Fine Arts Requirement			3
	Elective			1

Total Hours = 63

* Course has a prerequisite. See course descriptions.

† Electives: PHYD 112, PHYD 225, PHYD 226, PHYD 227, PSY 261, PSY 262

PHYSICS (411)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Majors in Physics examine natural phenomena at the fundamental level. Through observation, measurement, and mathematical analysis of processes, Physics seeks to discover the underlying principles and concepts.

NATURE OF WORK AND EMPLOYMENT

The three most common jobs people have one year after completion of their Bachelor's degree in this major are researcher, science technician, electrical/electronics engineer, and computer analyst.

SPECIAL CONSIDERATIONS

Those interested in this field should possess a strong aptitude for mathematics and science as well as an interest and curiosity about natural phenomena. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Eric Peterson, Physics Faculty

FIRST SEMESTER — 19 Sem. Hours

*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
*	MATH	168	Analytic Geometry & Calculus I	5
	HIST/POL Requirement			3
	Fine Arts Requirement			3

SECOND SEMESTER — 17 Sem. Hours

*	CHEM	124	General College Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
*	MATH	268	Analytic Geometry & Calculus II	5
*	PHYS	143	General Physics I	4

THIRD SEMESTER — 17 Sem. Hours

*	MATH	262	C Programming for Science & Engineering	4
*	MATH	265	Differential Equations	3
*	PHYS	144	General Physics II	4
	SPCH	191	Fundamentals of Speech	3
	Humanities Requirement			3

FOURTH SEMESTER — 21 Sem. Hours

	BIOL	110	Principles of Biology	4
*	MATH	269	Analytic Geometry & Calculus III	4
*	PHYS	145	General Physics III	4
	Humanities/Fine Arts Requirement			3
	Social/Behavioral Science Requirements			6

Total Hours = 74

* Course has a prerequisite. See course descriptions.

POLITICAL SCIENCE (504)

Associate of Arts

ABOUT OUR PROGRAM

The political science program provides a thorough introduction to all fields of political science. Emphasis is placed on governing systems, local and state government, public policy, the electoral process, foreign policy, and international relations. Opportunities are provided for participation in political campaigns. Visiting speakers often appear on campus to enhance course content. This program is designed for the student intending to pursue a baccalaureate degree in political science.

NATURE OF WORK AND EMPLOYMENT

Baccalaureate-degree political science majors typically are employed in private-sector management and public-sector positions on the local, state, and national levels. A growing number of interest groups and foundations are employing more political science majors. The field also serves as preparation for a pre-law major.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that special requirements of the department and the institution to which they plan to transfer are met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Andrew Dvorak and Jim Phillips, History Faculty
Dr. Thompson Brandt, Associate Dean Humanities/Social Science

FIRST SEMESTER — 16 Sem. Hours

*	ECON	111	Principles of Economics I	3
*	ENGL	121	Rhetoric and Composition I	3
	HIST	141	Western Civilization I	3
	POL	151	Introduction to Political Science	3
	Physical/Life Science Requirement			4

SECOND SEMESTER — 15 Sem. Hours

*	ECON	112	Principles of Economics II	3
*	ENGL	122	Rhetoric and Composition II	3
	HIST	142	Western Civilization II	3
	POL	152	American Government and Politics	3
	Physical/Life Science Requirement			3

THIRD SEMESTER — 18 Sem. Hours

	HIST	143	U.S. History I	3
*	PHIL	281	Introduction to Philosophy	3
	POL	153	State and Local Government	3
	SOCI	171	Introduction to Sociology	3
	Humanities/Fine Arts Elective			3
	Mathematics Requirement			3

FOURTH SEMESTER — 15 Sem. Hours

	GEOG	132	Regional Geography of the World	3
	HIST	144	U.S. History II	3
*	PHIL	282	Ethics	3
	SPCH	191	Fundamentals of Speech	3
	Fine Arts Requirement			3

Total Hours = 64

*Course has a prerequisite. See course descriptions.

PRE-DENTISTRY (412)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Study in this major provides a foundation for a career in dentistry through study in humanities, math, and sciences.

NATURE OF WORK AND EMPLOYMENT

Dentists diagnose and treat diseases of the teeth and tissues of the mouth. Most dentists work in private offices or clinics. Specialty areas include oral surgeon, periodontist, and orthodontist. Dentists require a license to practice.

SPECIAL CONSIDERATIONS

Those interested in dentistry should have an aptitude in science, good manual dexterity, good hand-eye coordination, and good eyesight. Students must be prepared to continue their education at the professional level after completing their baccalaureate degree. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Alan Nowicki, Biology Faculty

FIRST SEMESTER — 16 Sem. Hours

*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
*	MATH	168	Analytic Geometry & Calculus I	5
	Fine Arts Requirement			3

SECOND SEMESTER — 16 Sem. Hours

*	CHEM	123	General College Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
*	MATH	268	Analytic Geometry & Calculus II	5
	Humanities Requirement			3

THIRD SEMESTER — 17 Sem. Hours

*	CHEM	221	Organic Chemistry I	4
*	PHYS	141	Introductory Physics I	4
	SPCH	191	Fundamentals of Speech Communication	3
	Humanities/Fine Arts Requirement			3
	Social/Behavioral Science Elective			3

FOURTH SEMESTER — 18 Sem. Hours

*	BIOL	211	General Microbiology	4
*	CHEM	222	Organic Chemistry II	4
*	PHYS	142	Introductory Physics II	4
	Social/Behavioral Science Requirement			3
	HIST/POL Requirement			3

Total Hours = 67

* Course has a prerequisite. See course descriptions.

PRE-MEDICAL TECHNOLOGY (416)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Students in this major study how to become technicians in medical settings. Students learn about laboratory testing techniques, evaluating test results done on patients, interpreting the results of tests, and monitoring laboratory testing instruments.

NATURE OF WORK AND EMPLOYMENT

Typical job titles graduates of four-year baccalaureate programs in this major have include chief technologist, laboratory manager, clinical laboratory scientist, immunology technologist, and staff technologist.

Due to the growth of the middle-aged and older population and the new development of new diagnostic techniques, there is an increased demand for medical laboratory services. Employment is primarily in hospitals, but there are jobs available in independent laboratories, physicians' offices, veterinarians' offices, and public health agencies.

SPECIAL CONSIDERATIONS

Students must have an interest and skills in science and electronic/computer technology, numerical aptitude, attention to detail, accuracy, precision, patience, and the ability to work under pressure. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Natural Science and Health Division

FIRST SEMESTER — 19 Sem. Hours

*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
*	MATH	168	Analytic Geometry and Calculus I	5
	PSY	161	Introduction to Psychology	3
	Fine Arts Requirement			3

SECOND SEMESTER — 18 Sem. Hours

*	BIOL	122	Zoology	5
*	CHEM	124	General Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
*	MATH	268	Analytic Geometry & Calculus II	5

THIRD SEMESTER — 17 Sem. Hours

*	CHEM	221	Organic Chemistry I	4
*	PHYS	141	Introductory Physics I	4
	SPCH	191	Fundamentals of Speech Communication	3
	HIS/POL Requirement			3
	Humanities/Fine Arts Elective			3

FOURTH SEMESTER — 18 Sem. Hours

*	BIOL	211	General Microbiology	4
*	CHEM	222	Organic Chemistry II	4
*	PHYS	142	Introductory Physics II	4
	Humanities Elective			3
	Social/Behavioral Science Elective			3

Total Hours = 72

* Course has a prerequisite. See course descriptions.

PRE-MEDICINE (418)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Study in this major provides a foundation for a career in medicine through study in humanities, math, and sciences.

NATURE OF WORK AND EMPLOYMENT

Physicians are licensed health-care providers who use science and the healing arts to diagnose and treat illness and injury, as well as provide advice and encouragement about health maintenance and disease prevention. Most physicians work in private offices, clinics, hospitals, or medical schools.

SPECIAL CONSIDERATIONS

Those interested in the field of medicine should have an aptitude for science, good interpersonal skills, emotional stability, and a desire to help the injured and sick. Students must be prepared for further educational training at the professional level beyond the baccalaureate degree. Medical schools limit enrollment and students compete vigorously for admission. **Students should check with an academic advisor and begin to independently investigate medical school admissions policies. Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met. The guideline listed is recommended only.**

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Alan Nowicki, Biology Instructor

FIRST SEMESTER — 18 Sem. Hours

	BIOL	110	Principles of Biology	4
*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
	Social/Behavioral Science Requirements			6

SECOND SEMESTER — 19 Sem. Hours

*	BIOL	112	Zoology	5
*	CHEM	124	General College Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
	Fine Arts Requirement			3
	Humanities/Fine Arts Requirement			3

THIRD SEMESTER — 19 Sem. Hours

*	CHEM	221	Organic Chemistry I	4
*	MATH	168	Analytic Geometry & Calculus I	5
*	PHYS	141	Introductory Physics I	4
	SPCH	191	Fundamentals of Speech Communication	3
	PHIL	282	Ethics	3

FOURTH SEMESTER — 20 Sem. Hours

*	BIOL	211	General Microbiology	4
*	CHEM	222	Organic Chemistry II	4
*	MATH	268	Analytic Geometry & Calculus II	5
*	PHYS	142	Introductory Physics II	4
	HIST/POL Requirement			3

Total Hours = 76

* Course has a prerequisite. See course descriptions.

PRE-PHARMACY (422)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Study in this major provides a foundation for a career in pharmacy through study in humanities, math, and sciences.

NATURE OF WORK AND EMPLOYMENT

Pharmacists prepare and dispense medications. They cooperate in the prevention and treatment of disease by providing drug information to other health care practitioners and patients. Pharmacists also must be extremely accurate in dispensing drugs and maintaining records.

The four most common jobs graduates in this field have after completion of their advanced degree are pharmacist, health technician, health care manager, and health aide. Pharmacists require a license to practice.

SPECIAL CONSIDERATIONS

Students interested in this field should have an aptitude in science and math. Students must also be prepared to continue their education at the professional level beyond a baccalaureate degree. **The guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.** Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Alan Nowicki, Biology Faculty

FIRST SEMESTER — 17 Sem. Hours

*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
	PSY	161	Introduction to Psychology	3
	HIST/POL Requirement			3
	Fine Arts Requirement			3

SECOND SEMESTER — 18 Sem. Hours

*	BIOL	112	Zoology	5
*	CHEM	124	General College Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
*	MATH	168	Analytic Geometry & Calculus I	5

THIRD SEMESTER — 19 Sem. Hours

*	CHEM	221	Organic Chemistry I	4
*	MATH	268	Analytic Geometry & Calculus II	5
*	PHYS	141	Introductory Physics I	4
	SPCH	191	Fundamentals of Speech	3
	Humanities Requirement			3

FOURTH SEMESTER — 18 Sem. Hours

*	BIOL	211	General Microbiology	4
*	CHEM	222	Organic Chemistry II	4
*	PHYS	142	Introductory Physics II	4
	SOCI	171	Introduction to Sociology	3
	Humanities/Fine Arts Requirements			3

Total Hours = 72

* Course has a prerequisite. See course descriptions.

PRE-VETERINARY MEDICINE (424)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Study in this major provides a foundation for a career in veterinary medicine through study in humanities, math, and sciences.

NATURE OF WORK AND EMPLOYMENT

Veterinarians diagnose, treat, and control the spread of diseases among animals. Many limit practice to companion animals. Others focus on food producing animals (cattle, poultry, fish, sheep, swine), food safety inspection, horses, laboratory animals, or research and education.

The most common jobs graduates with advanced degrees in veterinary medicine have are staff veterinarian, research veterinarian, veterinarian medical officer, and public health veterinarian. Veterinarians require a license to practice.

SPECIAL CONSIDERATIONS

Students interested in this field should have an aptitude toward science, good interpersonal skills, emotional stability, physical stamina, and an interest in animals. Students also must be prepared to continue their education at the professional level after completing a baccalaureate degree. Schools of veterinary medicine limit enrollment and students compete vigorously for admission. Students should check and an academic advisor and begin to independently investigate veterinary school admissions policies. Each student must meet with an advisor to ensure that the special requirements of the department and the institution to which they wish to transfer are fully met. The guideline listed is recommended only.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Alan Nowicki, Biology Instructor

FIRST SEMESTER — 18 Sem. Hours

	BIOL	110	Principles of Biology	4
*	CHEM	123	General College Chemistry I	5
*	ENGL	121	Rhetoric and Composition I	3
	Social/Behavioral Science Requirement			3
	HIST/POL Requirement			3

SECOND SEMESTER — 19 Sem. Hours

*	BIOL	112	Zoology	5
*	CHEM	124	General College Chemistry II	5
*	ENGL	122	Rhetoric and Composition II	3
	Fine Arts Requirement			3
	Humanities Requirement			3

THIRD SEMESTER — 20 Sem. Hours

*	BIOL	211	Microbiology	4
*	CHEM	221	Organic Chemistry I	4
*	MATH	168	Analytic Geometry and Calculus I	5
*	PHYS	141	Introductory Physics I	4
	Social/Behavioral Science Requirement			3

FOURTH SEMESTER — 19 Sem. Hours

*	CHEM	222	Organic Chemistry II	4
*	MATH	268	Analytic Geometry & Calculus II	5
*	PHYS	142	Introductory Physics II	4
	SPCH	191	Fundamentals of Speech	3
	Humanities/Fine Arts Requirement			3

Total Hours = 76

* Course has a prerequisite. See course descriptions.

PROFESSIONAL EDUCATION

Certification Requirements

Students interested in teaching in the State of Illinois have choices of certification in many areas. The following are the most popular categories:

- Early Childhood (Birth through Grade 3)
- Elementary (Kindergarten through Grade 9)
- Secondary (Grades 6 through 12)
- Special (Kindergarten through Grade 12)

Highland Community College provides general education courses and some professional courses for students interested in any of these areas. Many courses are the same for all certification levels; however, the number of hours required in certain disciplines may vary.

Students interested in the teaching profession should contact an academic advisor for up-to-date information regarding state requirements and senior institution admission requirements.

Special Notes:

Early Childhood Education

Highland Community College's Associate of Applied Science degree in Early Childhood Education will NOT satisfy teacher certification requirements in the State of Illinois.

Elementary Education

Students need to declare an area of emphasis after transferring to a senior institution. Working with an academic advisor will help clarify students' choices in these areas.

Secondary/Special Education

Students should declare a major in a specific area such as history, biology, speech, hearing impaired, etc. General education and professional education courses complete the program.

The guideline on the next page is intended to give students a general idea of course choices. Education majors are required to consult with an academic advisor, faculty member, and/or the Coordinator of Advising and Transfer to ensure proper course selection and program advising. Certification requirements are subject to change due to legislation or Illinois State Board of Education (ISBE) decisions.

PROFESSIONAL EDUCATION (506)

Associate of Arts

ABOUT OUR PROGRAM

This program is designed for the student intending to transfer to a senior institution to complete a baccalaureate degree.

NATURE OF WORK AND EMPLOYMENT

Graduates of four-year baccalaureate programs in this major are typically employed as teachers in elementary schools, secondary schools, colleges and universities, religious organizations, and civic/social organizations.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Mike Sleezer, Education and Psychology Faculty
Paul Rabideau, Education and Psychology Faculty
Dr. Thompson Brandt, Associate Dean Humanities/Social Science

FIRST SEMESTER — 16 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
	HIST	143-4	U.S. History I or II	3
	PSY	161	Introduction to Psychology	3
	SPCH	191	Fundamentals of Speech	3
	Life Science Requirement			4

SECOND SEMESTER — 16 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
	Humanities Requirement			3
*	Mathematics Requirement			3
	Physical Science Requirement			4
†	Elective			3

THIRD SEMESTER — 15 Sem. Hours

†	EDUC	224	Introduction to Special Education	3
	POL	152	American Government and Politics	3
†	PSY	261	Educational Psychology	3
	Fine Arts Requirement			3
†	Electives			3

FOURTH SEMESTER — 16/17 Sem. Hours

*	EDUC	100	Educational Observation I	
		- or -		1/2
*	EDUC	200	Educational Observation II	
*	EDUC	221	American Public Schools	3
*	PSY	162	Child Psychology	
		- or -		3
*	PSY	262	Human Growth and Development	
†	Electives			3
	Humanities/Fine Arts Requirements			6

Total Hours = 63/64

* Course has a prerequisite. See course descriptions.

† Choices should be made after consulting with an academic advisor

PSYCHOLOGY (516)

Associate of Arts

ABOUT OUR PROGRAM

This program is designed for students who plan to transfer to a senior institution to complete a baccalaureate degree. Among courses in the program are personality development, counseling, and social, clinical, educational, experimental, and industrial psychology.

NATURE OF WORK AND EMPLOYMENT

Graduates of four-year baccalaureate programs in this major are typically employed as social workers or counselors in civic, health, industrial and governmental agencies, as well as in personnel offices and educational institutions.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that special requirements of the department and the university to which they plan to transfer are met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Dr. Mike Sleezer, Psychology Faculty

Paul Rabideau, Psychology Faculty

Dr. Thompson Brandt, Associate Dean Humanities/Social Science

FIRST SEMESTER — 16 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
*	INFT	180	Introduction to Information Systems	3
*	MATH	171	Finite Mathematics	4
	PSY	161	Introduction to Psychology	3
	Fine Arts Requirement			3

SECOND SEMESTER — 15 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
*	MATH	177	Statistics	3
	PHIL	282	Ethics	3
*	PSY	162	Child Psychology	
		- or -		3
*	PSY	262	Human Growth and Development	
	Humanities/Fine Arts Requirement			3

THIRD SEMESTER — 16 Sem. Hours

*	PSY	268	Introduction to Personality	3
	SOCI	171	Introduction to Sociology	3
	Elective			3
	HIST/POL Requirement			3
	Physical/Life Science Requirement			4

FOURTH SEMESTER — 15 Sem. Hours

	PHIL	281	Introduction to Philosophy	3
*	PSY	264	Social Psychology	3
	SPCH	191	Fundamentals of Speech	3
	Elective			3
	Physical/Life Science Requirement			3

Total Hours = 62

* Course has a prerequisite. See course descriptions.

NOTE: Foreign language may be required by senior institutions for a Bachelor of Arts degree. Additional science and math courses are required for Bachelor of Science degrees. Students should check with their academic advisor to determine proper course selection.

SOCIOLOGY (508)

Associate of Arts

ABOUT OUR PROGRAM

This program is designed to facilitate the understanding of human behavior within the context of the greater human community. The program prepares students to select the option of transferring from Highland to a senior institution to pursue a baccalaureate degree. In addition to a general survey course about sociology, the program also offers courses covering topics such as family, social problems, social work, criminology, and anthropology.

NATURE OF WORK AND EMPLOYMENT

Graduates of the program may immediately seek employment in entry-level positions with social-service agencies. Those choosing to complete a baccalaureate program will recquire skills leading to careers in areas that focus on human relations, social organizations, and the like. Social work, teaching, health care, and community work often attract sociology majors. Students may choose to pursue an advanced degree after program completion.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that special requirements of the department and the university to which they plan to transfer are met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Kim Goudreau, Sociology Faculty

Dr. Thompson Brandt, Associate Dean Humanities/Social Science

FIRST SEMESTER — 16 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
	PHIL	281	Introduction to Philosophy	3
	PSY	161	Introduction to Psychology	3
	SOCI	171	Introduction to Sociology	3
	Physical/Life Science Requirement			4

SECOND SEMESTER — 15 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
	SOCI	271	Social Problems	3
	SPCH	191	Fundamentals of Speech	3
	Fine Arts Requirement			3
	Physical/Life Science Requirement			3

THIRD SEMESTER — 16 Sem. Hours

*	MATH	165	Quantitative Literacy in Mathematics	
		- or -		4
*	MATH	171	Finite Mathematics	
*	PSY	262	Human Growth and Development	3
	SOCI	177	Introduction to Anthropology	3
	SOCI	274	The Family	3
	Humanities/Fine Arts Requirement			3

FOURTH SEMESTER — 15 Sem. Hours

*	MATH	177	Statistics	3
	PHIL	282	Ethics	3
	POL	152	American Government and Politics	3
*	PSY	264	Social Psychology	3
	SOCI	275	Criminology	3

Total Hours = 62

* Course has a prerequisite. See course descriptions.

SPEECH (308)

Associate of Arts

ABOUT OUR PROGRAM

This program is designed for the student intending to transfer to a senior institution to complete a baccalaureate degree. Courses explore how ideas and messages are exchanged at the interpersonal level, through public address, and in terms of mass media.

NATURE OF WORK AND EMPLOYMENT

Graduates of baccalaureate programs in this major are often employed in sales, secondary schools and colleges as teachers, radio/television, industrial/management training, public relations, personnel administration, governmental agency administration, and retailing.

SPECIAL CONSIDERATIONS

The course guideline listed is recommended only. Students should check with an academic advisor for specific university requirements in this major. Students must meet with an advisor to ensure that special requirements of the department and the institution to which they plan to transfer are met.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Alan Wenzel, Speech/Communication Faculty
Jim Yeager, Speech/Communication Faculty
Dr. Thompson Brandt, Associate Dean Humanities/Social Science

FIRST SEMESTER — 17 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
	SPCH	191	Fundamentals of Speech	3
	Foreign Language			4
	HIST/POL Requirement			3
	Physical/Life Science Requirement			4

SECOND SEMESTER — 16 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
	SPCH	192	Introduction to Public Speaking	3
	Foreign Language			4
*	Mathematics Requirement			3
	Social/Behavioral Science Requirement			3

THIRD SEMESTER — 15 Sem. Hours

	ART	110	Introduction to Art	
		- or -		3
	MUS	267	Introduction to Music	
*	ENGL	223	Introduction to Fiction	3
	PHIL	281	Introduction to Philosophy	3
	Speech Electives			6

FOURTH SEMESTER — 15 Sem. Hours

*	ENGL	224	Introduction to Poetry	3
	PSY	161	Introduction to Psychology	3
	PHIL	282	Ethics	3
	Physical/Life Science Requirement			3
	Speech Elective			3

Total Hours = 63

* Course has a prerequisite. See course descriptions.

Suggested Electives

SPCH 193	SPCH 199
SPCH 290	SPCH 291
SPCH 292	SPCH 293

NOTE: All speech emphasis majors are encouraged to participate in speech activities during all four semesters.

THEATRE (308)

Associate of Arts

ABOUT OUR PROGRAM

This program is designed for the student intending to transfer to a senior institution to complete a baccalaureate degree. The curriculum offers an emphasis in acting or technical theatre. Acting students complete a greater number of performance-oriented courses. Technical theatre students complete a greater number of courses oriented to technical training. Separate curricula are provided as guidelines and are designed to lead to an Associate of Arts degree.

NATURE OF WORK AND EMPLOYMENT

Graduates of four-year baccalaureate programs in this major typically are employed in educational institutions, community theatres, social agencies, religious organizations, professional theatres, and radio/television stations.

SPECIAL CONSIDERATIONS

Students should check with an academic advisor for specific university requirements in this major. This guideline is recommended with the aim of maximum transferability. Courses will transfer as either general education, lower-division theatre major courses, or theatre electives.

PROGRAM CONTACTS

Students planning to major in theatre with an acting emphasis should contact John Webb or a Theatre Department representative before enrolling. The actor-training program is intensive, and an interview with John Webb will greatly benefit students' chances of success in this program.

Call Highland at 815/235-6121 for the following program contacts:

John Webb, Director of Fine Arts
Elwyn Webb, Theatre Technician
Dr. Thompson Brandt, Associate Dean Humanities/ Social Science

The Highland Theatre Company

Acting majors at Highland are organized into a company of players that trains together as an ensemble. The company is exclusively responsible for at least two productions each school year. Summer and special productions are open to everyone, including non-student actors and technicians.

Actor-Training Guidelines

FIRST SEMESTER — 17 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
*	MATH	165	Quantitative Literacy in Mathematics	4
	SPCH	191	Fundamentals of Speech	3
	PHYD	239	Body Mechanics	1
	THEA	184	Principles of Acting I	3
	THEA	187	Introduction to Technical Theatre I	3

SECOND SEMESTER — 15 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
	HIST	141	Western Civilization I	3
	PHIL	281	Introduction to Philosophy	3
	PHYD	239	Body Mechanics	1
*	THEA	185	Principles of Acting II	3
	MUS	167	Class Voice I	2

THIRD SEMESTER — 15 Sem. Hours

	PSY	161	Introduction to Psychology	3
*	NSCI	134	Introduction to Astronomy	3
	HUMA	104	Introduction to Humanities	3
	PHYD	239	Body Mechanics	1
	THEA	198	Applied Theatre II	2
	THEA	196	Introduction to Theatre	3

FOURTH SEMESTER — 16 Sem. Hours

	SOCI	171	Introduction to Sociology	3
	BIOL	120	Foundations of Anatomy & Physiology	5
	ART	110	Introduction to Art	3
	PHYD	239	Body Mechanics	1
	THEA	197	Applied Theatre I	1
	THEA	186	Stage Make-up	2
	THEA	283	Theatre Practicum	1

Total Hours = 63

Technical-Theatre Guidelines

FIRST SEMESTER — 19 Sem. Hours

*	ENGL	121	Rhetoric and Composition I	3
	SPCH	191	Fundamentals of Speech	3
*	MATH	165	Quantitative Literacy in Mathematics	4
	THEA	283	Theatre Practicum	3
	THEA	196	Introduction to Theatre	3
	THEA	187	Introduction to Technical Theatre I	3

SECOND SEMESTER — 15 Sem. Hours

*	ENGL	122	Rhetoric and Composition II	3
	PHIL	281	Introduction to Philosophy	3
	HIST	141	Western Civilization I	3
	THEA	296	Introduction to Technical Theatre II	3
	THEA	283	Theatre Practicum	3

THIRD SEMESTER — 17 Sem. Hours

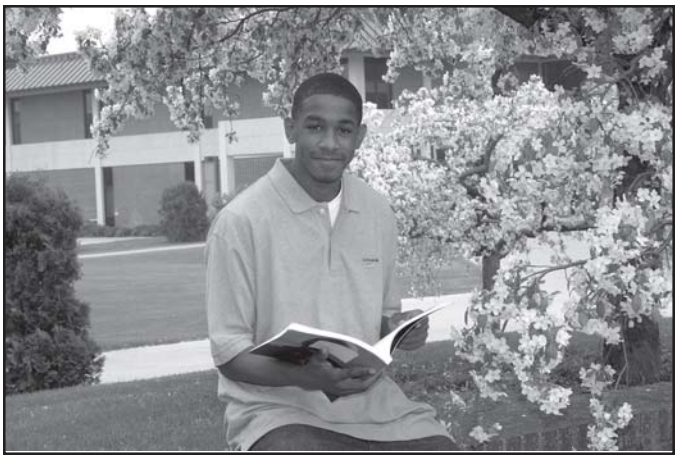
	PSY	161	Introduction to Psychology	3
*	NSCI	134	Introduction to Astronomy	3
	HUMA	104	Introduction to Humanities	3
	THEA	186	Stage Make-Up	2
	THEA	283	Theatre Practicum	3
	ART	110	Introduction to Art	3

FOURTH SEMESTER — 13 Sem. Hours

	SOCI	171	Introduction to Sociology	3
	THEA	283	Theatre Practicum	3
	THEA	189	Intro to Costuming	3
	Life Science Requirement			4

Total Hours = 64

* Course has a prerequisite. See course descriptions.



WEB DESIGN (210)

Associate of Applied Science

ABOUT OUR PROGRAM

The Associate of Applied Science Program in Web Design concentrates on creating cutting-edge application development for the World Wide Web and other digital media. Course materials include Internet fundamentals, advanced authoring, animation and graphic development, programming, and database integration.

NATURE OF WORK AND EMPLOYMENT

The Web Design Degree can lead to employment in entry-level Web development, Web and Network administration, game design, and commercial or personal media production. Many entry-level employment positions are freelance/contract in nature, though skilled graduates can usually work toward full-time employment.

SPECIAL CONSIDERATIONS

The program starts with a core of information system, art, and design skills and then immerses the student in specialized digital media technology experiences. The program is structured to provide a solid academic background as well as hands-on activities, while offering career counseling and opportunities for professional work-based experiences.

PROGRAM CONTACTS

Call Highland at 815/235-6121 for the following program contacts:

Mr. Scott Anderson, Dean of Business & Technology
Mr. Jeremy Monigold, Information Systems Faculty
Mr. Sam Tucibat, Graphic Design Faculty

Required Courses

	ART	118	Graphic Design I	3
	ART	228	Graphic Design III	3
	ART	260	Design Studio	3
*	Communications (COMM 101, BUSN 141 or ENGL 121)			3
	INFT	160	Digital Images & Sound	1
	INFT	204	Digital Design & Image Editing	3
	INFT	260	Computer Animation/Interactivity	3
	INFT-Programming (INFT 190 or INFT 191)			3
	Mathematics		(BUSN 125, MATH 111, 162 or higher)	3
	MUS	155	Digital Audio Development	2
	OCED	250	Career Seminar	1
	OCED	290	Work Place Experience	4
	SPCH	191	Fundamentals of Speech	3
	Business Electives			6
	Specialist Electives: All from either ART/MUS or INFT			19
Total Hours				**60**

Suggested Electives for Specialist Block

ART/MUS

ART 113	Drawing I
ART 114	Drawing II
ART 115	Basic Design I
ART 116	Basic Design II
ART 120	Life Drawing I
ART 201	Introduction to Photography I
ART 218	Graphic Design II
ART 238	Graphic Design IV
MUS 150	Fundamentals of Music
MUS 157	Class Guitar I
MUS 161	Theory I
MUS 167	Class Voice I
MUS 172	Applied Music
MUS 177	Class Piano I

INFT

INFT 135	PowerPoint
INFT 137	Desktop Publishing
INFT 145	Beginning Access
INFT 147	Advanced Access
INFT 180	Introduction to Information Systems
INFT 182	Microcomputer Hardware and DOS
INFT 185	Visual BASIC
INFT 202	Web Programming
INFT 282	A+ Certification
INFT 284	Net+ Certification
INFT 290	Prin. of Computer Science II/Data Structures
INFT 295	Special Topics - Security

Suggested Electives for the Business block.

ACCT 105	Elements of Accounting
ACCT 115	Computer Applications in Accounting
ACCT 213	Financial Accounting
BUSN 121	Introduction to Business
BUSN 124	Introduction to Small Business
BUSN 143	Fundamentals of Retailing
BUSN 149	Small Business Management
BUSN 223	Business Law I
BUSN 244	Principles of Advertising
BUSN 246	Principles of Marketing
ECON 111	Principles of Economics I
ECON 112	Principles of Economics II

* Course has a prerequisite. See course descriptions.

Course Descriptions

Order of Course Listings

The courses offered by Highland are listed on the following pages. Listings are grouped alphabetically by discipline (e.g. agriculture, mathematics, etc.). A syllabus for each course, giving a greater detailed description of course content than is found in this catalog, is on file in the College library.

Discipline (Subject) Code

The first line of each course description begins with a three or four letter code that identifies to what discipline the course belongs. Each discipline is identified by a separate code that is listed after the beginning of each discipline's section.

Course Numbers

The first digit of a course number indicates its classification according to the year it should be taken. Courses that begin with a zero (0) are less than freshman-level courses that carry credit but are not intended to transfer to other colleges nor count toward degree requirements. Courses that begin with a one (1) are generally freshman-level courses that should be taken during the first year of college. Courses that begin with a two (2) are usually sophomore-level courses that should be taken during the second year of college.

Types of Credit

At the right of each course number is a credit code that signifies the type of credit that the course carries.

D This is a developmental course and includes basic knowledge necessary for pursuit of other course offerings. It cannot be part of a transfer program, but may be specified as part of other degrees and certificates.

O This type of course is usually in Applied Science or Occupational Certificate programs. Some of these courses may transfer depending upon the major. Students should check with an academic advisor.

T These courses are most often articulated with state universities and are usually transferrable. Students should check with an academic advisor.

V These courses are usually part of specialized certificate programs and are generally not transferrable. Students should check with an academic advisor.

Course Title

The course title is intended to provide a very brief description of course content. Course titles that are followed by a I, II, or III indicate that the course belongs to a sequence of two or three courses that study different aspects, or levels, of the same topic.

Course Data

Each course title is followed by four categories of course data, as described below:

Credits

This number signifies the semester hours of credit the student will earn by successfully completing the course. If the number is followed by a V, Highland may offer the course for a variable amount of credit hours with the number stated being the maximum amount allowed. For example, 3V would indicate that the course could be offered for one credit, two credits or three credits. Each semester's course schedule will list the semester hours available for any variable credit course.

Lecture

This number represents the number of lecture or discussion hours per week in class.

Lab

This number represents the number of laboratory or activity hours per week in class.

Repeat

This number represents how many times a class may be repeated for credit. The maximum amount of hours that may be earned for any repeatable course will be listed in the course description.

Prerequisites

Prerequisites, if any, are listed under the course data line of each course description. A prerequisite refers to courses that must be satisfactorily completed prior to the beginning of a particular course.

* See page 123 for an explanation of course data information categories.

Distance Learning

Students at Highland Community College have several options for distance learning courses: telecourses (videotape-based classes), interactive video classes (two-way television) and Internet-based classes. Each of these formats has unique aspects and requirements. While many students who enroll in these classes do not come to either the Highland main or west campus, there are on-campus students who opt to enroll in the distance learning courses because of the convenience they offer.

Telecourses are college-credit courses prepared by national experts in particular subjects. Their material is presented in textbooks as well as on video, usually on VHS videotapes (although some may be available on DVD). Courses differ in the number and length of the video programs. Tapes are available at many of the HCC district libraries, as well as at the main campus library. The courses require the use of the HCC course management software, Blackboard, which is accessible via the Internet. Students who do not have Internet access at home may opt to go to a district library to complete the course requirements. Testing methods also differ amongst the telecourses; some require the students to go to a proctored test environment available at the main campus and district libraries. For further information, contact the Highland Library at 599-3456. Additional information may be viewed at http://www.highland.edu/online/telecourses.asp

Interactive video classes are college-credit classes taught by instructors who may be on the HCC campus or another campus and who teach the class according to the schedule of the originating institution, via two-way television. The HCC location is on the first floor of the Student Conference Center and students must attend classes there.

Online courses are college-credit courses that are conducted via the Internet. They are taught mostly by HCC faculty, although there are also courses available through a statewide network with other community colleges and 4-year colleges. Online courses also require the use of the Blackboard course management software. Interested students may go to http://www.highland.edu/online for more information.

* See page 123 for an explanation of course data information categories.

Accounting (ACCT)

ACCT 101 O
Foundations of Accounting
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0

Provides basic accounting knowledge for entry into applied accounting courses. Introduction to a general journal/general ledger accounting system, recording debits and credits, preparation of the income statement, balance sheet, and statement of owner's equity is included.

ACCT 102 O
Fundamentals of Bookkeeping
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces the beginning accounting student to the fundamentals of the record-keeping area of accounting. Proper methods for keeping records, posting and preparing trial balances, and statements will be included.

ACCT 105 T
Elements of Accounting
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 2

Introduces students to basic accounting principles and procedures as they are applied to accounting for service and merchandising businesses. Includes the recording of transactions in general and special journals, the posting process, adjusting and closing entries, and the preparation of accounting worksheets and financial statements. A maximum of nine (9) credit hours may be earned in this course.

ACCT 114 O
Accounting Tools for the Small Business Manager
*COURSE DATA: CREDITS: 2V • LECTURE: 2 • LAB: 0 • REPEAT: 0

Includes a system of lectures, discussions, and problem-solving activities designed to develop competence in financial planning, control, and evaluation of small businesses.

ACCT 115 O
Computer Applications in Accounting
*COURSE DATA: CREDITS: 2V • LECTURE: 2 • LAB: 0 • REPEAT: 2
PREREQUISITE: ACCT 101 or concurrent enrollment in ACCT 105 or 213, or consent of instructor

Introduces the student to microcomputer accounting systems, including general ledger, accounts payable, accounts receivable, payroll, inventory, and asset depreciation applications. Provides for hands-on experience with an accounting system software package. A maximum of six (6) credit hours may be earned in this course.

ACCT 116 O
Introduction to Payroll Accounting
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 1

Introduces the student to the principles of payroll administration. Among the topics covered are gross pay determination; Social Security and income tax withholding; employee deductions and benefits; federal and state laws affecting payroll administration; deposit rules for forms 941, 940, and 8109; and preparing W-2 and W-3 forms. A maximum of four (4) credit hours may be earned in this course.

ACCT 211 O
Federal Income Tax Accounting
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies income taxation with the primary emphasis on individual taxation. Some coverage of corporate and partnership taxation is made. Topics studied are gross income, including business and investment income, deductions, and credits. The course is designed for accounting and business students and for the general public interested in studying taxation.

ACCT 212 O
Business Income Tax
*COURSE DATA; CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 2

Studies income taxation as it applies to business taxes. Topics studied are one-owner businesses, partnerships, corporations, and fiduciary taxpayers; and special problems relating to gains and losses, property transactions and recapture provisions, accounting periods, and methods. A maximum of nine (9) credit hours may be earned in this course.

ACCT 213 T
Financial Accounting
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 2
PREREQUISITE: ACCT 105 or consent of instructor

Provides an introduction to corporate accounting and reporting issues as they relate to investors, creditors, and managers. Theoretical and practical issues related to accounting for cash equivalents, receivables, inventory, liabilities, non-current assets, common and preferred stock, bonds, investments, and financial statement analysis. A maximum of twelve (12) credit hours may be earned in this course.
IAI Code: BUS 903

* See page 123 for an explanation of course data information categories.

ACCT 214 T
Managerial Accounting
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 2
PREREQUISITE: ACCT 213

Provides an introduction to the use of accounting information in planning, directing, and controlling business operations. Theoretical and practical issues related to accounting for modern manufacturing operations, costing inventories, preparing budgets and performance reports, and utilizing decision-making techniques. A maximum of twelve (12) credit hours may be earned in this course. IAI Code: BUS 904

Agricultural (AGRI)

AGRI 182 T
Introductory Agricultural Mechanization
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Includes problems, discussions, and laboratory exercises examining present and potential engineering applications in agriculture. Emphasis is on farm power and machinery, soil and water control, farm electrification, and farm structures. IAI Code: AG 906

AGRI 184 T
Introduction to Agricultural Economics
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Covers the basic economic principles of agricultural firms, current farm problems, domestic and foreign demand, agricultural marketing, agricultural finance, and characteristics of agricultural production, and agricultural policy. IAI Code: AG 901

AGRI 186 T
Introduction to Animal Science
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0

Surveys the fundamentals of nutrition and management, ruminant and non-ruminant animal digestion, genetics of breeding and improvement, marketing livestock and the handling of livestock products and the physiology of animals. IAI Code: AG 902

AGRI 188 T
Introductory Horticultural Science
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces the principles and practices involved in the development, production, and use of horticultural crops (fruit, vegetable, greenhouse, turf, nursery, floral, and landscape). IAI Code: 905

AGRI 284 T
Introductory Soils
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0

Investigates the origin, formation, and biological, chemical and physical properties of soils. This is a beginning course in soils and is the basis for further Agronomy courses. IAI Code: AG 904

AGRI 286 T
Field Crop Science
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0

Studies growth, reproduction, and utilization of crops; crop hazards and environments; and cropping and tillage principles and practices. IAI Code: AG 903

Agricultural Occupations (AGOC)

AGOC 120 O
Principles of Farm Management
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: AGOC 124 or consent of instructor.

Applies economic principles to the organization and operation of farms, complete and partial budgeting, crops and livestock decision-making methods, machinery decisions, farm financial management and decisions related to farm leases.

AGOC 124 O
Economics of Agricultural Production
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Considers the basic economic principles of agricultural firms, such as production principles, profit maximization, supply and demand, characteristics of farms and farm production, the role of our natural resources, and current problems in agriculture.

AGOC 127 O
Forage Production
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Studies legume and grass crops as they are used for hay, silage, and pasture. Seed establishment, weed control, disease, insects, fertility, harvesting, and usage will be covered.

AGOC 141 O
Grain Conditioning and Handling Systems
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Covers how grain dries, the effect of drying on quality, dryers and drying methods, designing and sizing systems, materials flow, storage problems, and control and safety of systems.

* See page 123 for an explanation of course data information categories.

AGOC 142 O
Livestock Facilities and Waste Management
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Covers the design of beef, dairy, and swine facilities including ventilation, insulation, environment, space and scheduling, feed movement, and methods of waste storage and disposal consistent with environmental standards.

AGOC 143 O
Evaluation of Livestock Animals
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

Presents the basic criteria necessary in evaluating livestock animals and provides the opportunity to gain actual evaluation experiences with live animals. The course will include the preparation and the oral delivery of placement evaluations.

AGOC 144 O
Evaluation of Dairy Animals
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

Presents the basic criteria necessary for evaluating dairy animals and provides the opportunity to gain actual evaluation experience with live animals. The course will include the preparation and the oral delivery of placement evaluations.

AGOC 145 O
Dairy Production
*COURSE DATA: CREDITS: 5V • LECTURE: 4 • LAB: 2 • REPEAT: 0

Considers the principles and practice of milk production. Topics include the physiology of milk secretion, feeding of the dairy herd, and raising replacement stock.

AGOC 220 O
Financing Agricultural Production
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Investigates ways and means of securing and using borrowed capital. Priority use of capital, sources and types of credit, the financial statements, and the pros and cons of various types of financing are considered. Capital planning is considered for the agricultural firm.

AGOC 221 O
Agricultural Policies, Programs, and Legal Problems
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Analyzes the unique position of food producers and considers the statement, intent, and results of international, federal, and state laws and policies and their application to specific situations. A study of the major farm organizations structure programs with a field trip will be included.

AGOC 222 O
Marketing Agricultural Products
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Discusses the economic, psychological, and sociological problems of the distribution of farm products and supplies. Factors such as market information, advertising, packaging, services, risks, and futures are analyzed. The present types of markets and the trends in marketing are considered. This course may be taken with emphasis on livestock marketing, grain marketing, or both.

AGOC 223 O
The Dairy Industry
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0

Surveys the industry, including dairy production, dairy equipment, and dairy product processing and distribution.

AGOC 225 O
Artificial Insemination
*COURSE DATA: CREDITS: 1 • LECTURE: .5 • LAB: 1 • REPEAT: 0

Studies the physiology of the reproductive tract of farm animals and the use of insemination equipment for the breeding of livestock. The course will be taught primarily for swine insemination. Completion of this course will approve the student as an Artificial Insemination Technician.

AGOC 226 O
Feed and Livestock Industry
*COURSE DATA: CREDITS: 4V • LECTURE: 3 • LAB: 2 • REPEAT: 0

Studies livestock nutrition with emphasis on feeds and their value, utilization formulation, and use of feed industry information. Management, feeding, and health of beef cattle, dairy, and swine are included in the course.

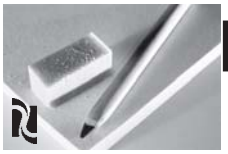
AGOC 229 O
Agri-Business Seminar
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides for a series of lectures and discussions related to management of agri-business. Some are led by agri-business authorities or specialists in particular areas. An agri-business firm management problem will be studied and analyzed during the course. An agri-business sales experience will also be part of the course.

AGOC 240 O
Farm Business Records and Analysis
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces the practical use of accounts and records in the management of the farm. Farm financial accounts, production records, budgeting, and the use of records in analyzing the farm business are included.

* See page 123 for an explanation of course data information categories.



AGOC 241 O
Applied Swine Science
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 0

Emphasizes the production aspects of efficiency, breeding, selection, feeds, nutrition, sow and pig management, feeder pig production, market hog management, herd health, and production costs.

AGOC 242 O
Applied Beef Cattle Science
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 0

Includes production systems, efficiency of production, feeds and nutrition, breeding, selection, cow-calf herd management, feeder cattle management, feed lot management, and beef cattle health.

AGOC 243 O
Swine Management
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Emphasizes the economic aspects of swine enterprise production systems. The economics of selection and breeding, ration analysis and cost, and the marketing of swine are considered.

AGOC 245 O
Dairy Management
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Emphasizes the organizational management of the dairy herd including farmstead and building design, herd improvement, herd nutrition, and health.

AGOC 249 V
Orientation to Agri-Management
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 0

Includes lectures and discussions led by management authorities. Individualized study and term projects will be completed.

Air Conditioning, Heating and Ventilation (ACHR)

ACHR 101 V
Air Conditioning and Refrigeration I
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Describes the fundamentals of refrigeration and refrigeration theory which include the various condensers, compressors, and related components.

Art (ART)

ART 110 T
Introduction to Art
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces non-art majors to art appreciation through a study of various art concepts, processes, and major art historical periods. This will fulfill general education requirements under the Fine Arts group or general education elective needs. The course utilizes visual arts slide/lectures. IAI Code: F2 900

ART 111 T
Art of the Western World
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Surveys major western world art forms emphasizing historical, religious, philosophical, and social contexts. This course is based on the TV series Art of the Western World. It is an in-depth study of the periods covered using a major art history text.

ART 113 T
Drawing I
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0

Introduces the principles and elements of design and composition using a variety of drawing materials. Line, shape, texture, value, and perspective are emphasized. Lecture, slides, discussion, and drawing are the methods used. IAI Code: ART 904

ART 114 T
Drawing II
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: ART 113 or consent of instructor

Provides a continuation of ART 113. Further develops drawing skills and techniques, with an emphasis on individual creative concepts. Explores additional materials and color theory. IAI Code: ART 905

ART 115 T
Basic Design I
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0

Introduces students to elements of design and structure through two-dimensional design principles and theories. Emphasis on creative problem solving using a variety of media including the computer. IAI Code: ART 907

* See page 123 for an explanation of course data information categories.

ART 116 T
Basic Design II
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: ART 115 or consent of instructor

Continues the intensive study of the elements of design and structure through three-dimensional design principles and theories using a variety of media. IAI Code: ART 908

ART 117 T
Pottery I
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0

Explores the capabilities and limitations of clay as a material for creative expression. Functional and sculptural approaches to the material will be explored through hand building and wheel-throwing techniques. Glazing and decorating techniques, demonstrations, slide lectures, and individual critiques are covered in this class. IAI Code: ART 912

ART 118 O
Graphic Design I
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: Completion of, or concurrent enrollment in, ART 113 and ART 115 or consent of instructor

Graphic Design I is a study of basic design principles as related to business and the advertising industry. Individual projects will include problems in typography, logo design, corporate identity systems, and business forms using traditional tools and computer graphics software. Macintosh and Windows computers will be used. IAI Code: ART 918

ART 119 T
Sculpture I
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0

Gives the student a basic understanding of three-dimensional form and its manipulation into compositional works. Work will be done with a number of media, including clay, alabaster stone, and found objects. Demonstrations, slide lectures, and group and individual critiques are used. IAI Code: ART 913

ART 120 T
Life Drawing I
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: ART 114 or consent of instructor

The study of the human form from observation and invention using a variety of drawing methods and media. IAI Code: ART 906

ART 201 T
Introduction to Photography I
*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0

Includes the history of the medium as well as the techniques of black and white 35 mm film processing, printing, and mounting. Composition and aesthetic quality are emphasized using the student's camera.

ART 211 T
Painting I
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: ART 113 and ART 115 or consent of instructor.

Explores oil and/or acrylic painting using basic painting techniques and color theory. Emphasis is placed on concepts and material.
IAI Code: ART 911

ART 212 T
Painting II
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: ART 211 or consent of instructor

Includes further exploration of oil and/or acrylic painting techniques emphasizing personal expression.

ART 213 T
Printmaking I
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITES: ART 113 andART 115, or consent of instructor

Explores relief and silkscreen printing as a means of artistic expression. Color composition and concept will be emphasized. A variety of papers and materials will be explored.

ART 214 T
Printmaking II
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITES: ART 213 or consent of the instructor

Explores additional printing processes including intaglio and lithography.

ART 215 T
Art History I
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Surveys the major works of art and architecture from prehistoric times through the Middle Ages. Emphasis is placed on historical, cultural, and societal relevance of works of art from this period. IAI Codes: F2 901 and ART 901

ART 216 T
Art History II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Surveys the major works, ideas, and influences of the visual arts from the Renaissance through the 18th century. Emphasis is placed on historical, cultural, and societal relevance of works of art from this period. IAI Codes: F2 902 and ART 902

* See page 123 for an explanation of course data information categories.

ART 217 T
Pottery II
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: ART 117 or consent of instructor

Continues ART 117 with an emphasis on craftsmanship and concepts with emphasis on craftsmanship and concepts with a concentration in wheel-thrown work. In-depth work with glazes and stains. Slides, demonstrations, and individual critiques are used.

ART 218 O
Graphic Design II
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: ART 118 or consent of instructor.

Introduces the fundamentals of advertising design. Students continue with advanced studies of design principles, research ad formats and layout, create advertising and editorial designs for magazines and books. Traditional tools and computer graphics software will be used with Macintosh and Windows computers.

ART 219 T
Modern Art
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Explores European and American Art from the 18th century to the present and the issues and concepts behind the art of modern times. IAI Codes: F2 902 and ART 903.

ART 228 O
Graphic Design III
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 3
PREREQUISITE: ART 218 or consent of instructor

Introduces multimedia and includes focus areas such as presentation, animation, marketing, instructional design, print technology, typography, photographic design, illustration, and WEB design. Macintosh and Windows computers are used.

ART 238 O
Graphic Design IV
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 15 • REPEAT: 0
PREREQUISITE: ART 228 and consent of instructor

Prepares the student in an internship setting to apply design skills, troubleshoot, and solve problems related to projects in Graphic Design and related areas. There will be supervision by the instructor and a mentor.

Auto Body Repair (AUTB)

The Auto Body Program is competency based. Check with the instructor before registering for any course.

AUTB 180 O
Basic Auto Electrical Systems
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 4 • REPEAT: 0

This electrical course is designed as a prerequisite for automotive electrical classes. Areas of instruction will cover basic electricity, magnetism, basic electronic components, fundamentals of batteries, and automotive wiring systems.

AUTB 191 O
Introduction to Auto Body
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: WELD 135 or concurrent enrollment

Introduces students to the construction of both the frame and body of an automobile and the construction practices used by the industry. Proper use of tools, safety, and basic practices of metal finishing are part of this course.

AUTB 192 O
Painting Equipment and Materials
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

Acquaints students with all types of auto refinishing materials, mixtures, and the care and use of painting equipment. Repair procedures are included.

AUTB 193 O
Frame and Body Alignment I
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: AUTB 191

Teaches students how to analyze and correct one or more damaged automobile sections in order to repair vehicles to pre-accident condition. Correcting stresses and strains of the sheet metal and the frame is included.

AUTB 194 O
Auto Body Repair I
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: AUTB 191

Introduces students to sheet metal straightening techniques, tools, and body fillers.

AUTB 195 O
Glass, Upholstery, and Trim
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 2

Includes the study of removing and replacing stationary and moveable glass as well as trim panel removal and seat track repair. A maximum of six (6) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

AUTB 197 O
Auto Chassis and Accessory Systems
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

Studies wheel alignment, suspension systems, cooling system repair, air conditioning, & steering systems repair from damage caused in collisions.

AUTB 291 O
Frame and Body Alignment II
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 2
PREREQUISITE: AUTB 193

Practices the straightening of heavy auto damage with the use of hydraulic power and the pulls needed to straighten frame or body damage to pre-accident condition. Stress points in automobile doors, hood & deck lid alignment, and the replacement of detachable parts are included. A maximum of 9 credit hours may be earned in this course.

AUTB 292 O
Auto Body Repair II
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 2
PREREQUISITE: AUTB 194

Includes removing, trimming, fitting, and replacement of damaged panels; reforming contours by hand in damaged sheet metal; perfecting of the final finishing of metal; and final preparation before painting. A maximum of twelve (12) credit hours may be earned in this course.

AUTB 293 O
Paint Applications I
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: AUTB 192

Familiarizes the student with refinishing equipment spot painting and finish taping procedures, masking, paints and paint mixtures. The cause of paint troubles and the complete paint jobs are also included.

AUTB 294 O
Damage Analysis
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

Explains making acceptable estimates, parts ordering, use of estimating forms, figuring hourly rates, and scheduling auto body repair work.

AUTB 296 O
Paint Applications II
*COURSE DATA: CREDITS: 5 • LECTURE: 3 • LAB: 4 • REPEAT: 2
PREREQUISITE: AUTB 293

Provides a continuation of AUTB 293, including total vehicle refinishing and the use of various types of paints, and refinishing equipment. A maximum of fifteen (15) credit hours may be earned in this course.

Automotive Mechanics (AUTM)

AUTM 111 O
Suspension and Alignment
*COURSE DATA: CREDITS: 5 • LECTURE: 2 • LAB: 7 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 113, 115, or consent of instructor

Studies the theory of suspension designs and how steering geometry affects directional controls and tire wear. The principles of wheel alignment including types of adjustments are covered. Laboratory work includes checking and reconditioning suspension systems plus actual alignment and adjustment procedures. This class will help prepare the student for the ASE test A4, Suspension and Steering.

AUTM 113 O
Brakes
*COURSE DATA: CREDITS: 4V • LECTURE: 1 • LAB: 7 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 111, 115, or consent of instructor

Studies the theory of drum, disc, power-assisted, and anti-lock brake systems. Includes disassembly and repair procedures necessary for service of hydraulic and electric braking systems. This class will help prepare the student for the ASE test A5, Brakes.

AUTM 115 O
Standard Transmission and Final Drives
*COURSE DATA: CREDITS: 4 • LECTURE: 1 • LAB: 7 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 111, 113, or consent of instructor

Discusses the theory of standard transmissions and overdrives, including clutch, drive shaft, and rear axle assemblies. Laboratory work consists of disassembly, inspection, reconditioning, and reassembly of all types of standard three- and four-speed transmissions, overdrives, clutches and differential assemblies. This class will help prepare the student for the ASE test A3, Manual Drive Train and Axle.

AUTM 120 O
Fundamentals of Engines
*COURSE DATA: CREDITS: 3V • LECTURE: 1 • LAB: 5 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 122, 124, or consent of instructor

Studies the basic operating principles of an engine. Operation of automotive machine shop equipment is demonstrated. This class will help prepare the student for the ASE test A1, Engine Repair.

AUTM 122 O
Engine Components and Construction
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 5 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 122, 124, or consent of instructor

Studies the construction and the components of an engine including the cylinder block, crankshaft, piston assemblies, cylinder heads, camshafts, and valve train parts. This class will help prepare the student for the ASE test A1, Engine Repair.

* See page 123 for an explanation of course data information categories.

AUTM 124 O
Fundamentals of Electricity

*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 5 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 120, 122, or consent of instructor

Studies electrical theory, magnetism, terms, symbols, measurements, as well as automotive circuits including starting and ignition systems. This class will help prepare the student for the ASE test A6, Electrical/ Electronic Systems.

AUTM 231 O
Fundamentals of Electronics

*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 5 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 233, 235, 237, and a grade of "C" in AUTM 120, 122, 124 or consent of instructor

Studies electronic theory and components including diodes transistors and solid-state circuits. This class will help the student prepare for ASE test A6, Electrical/Electronics Systems.

AUTM 233 O
Fuel Systems

*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 5 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 233, 235, 237, and a grade of "C" in AUTM 120, 122, 124 or consent of instructor

Studies fuel system components and circuits. Gasoline rating and additives are also covered along with testing, diagnosing, and repairing the system. This class will help prepare the student for the ASE test A8, Engine Performance.

AUTM 235 O
Electronic Engine Controls

*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 233, 235, 237, and a grade of "C" in AUTM 120, 122, 124 or consent of instructor

Studies the computerized system and components. Helps student prepare for the ASE test A8, Engine Performance.

AUTM 237 O
Engine Performance

*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 7 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 233, 235, 237, and a grade of "C" in AUTM 120, 122, 124 or consent of instructor

Studies the diagnosis of engine control systems, ignition systems, fuel and induction system, and the emission control system. This class will help prepare for ASE test A8, Engine Performance.

AUTM 240 O
Automatic Transmissions

*COURSE DATA: CREDITS: 5 • LECTURE: 2 • LAB: 7 • REPEAT: 0

Studies automatic transmissions of automobiles and light trucks. Includes a study of the design, operation, servicing, maintenance, repair, and testing of automatic transmissions. This class will help prepare the student for the ASE test A2, Automatic Transmissions/ Transaxle.

AUTM 242 O
Automotive Body Electronics

*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 4 • REPEAT: 0
PREREQUISITE: AUTM 124 or consent of instructor

Studies all body electrical components and systems such as remote and lighted entry, cruise control, power windows and seats, power door locks, power antenna, security systems, rear window defogger, and electronic traction controls. This class will help prepare the student for the ASE test A6, Electrical/Electronic Systems.

AUTM 246 O
Automotive Servicing

*COURSE DATA: CREDITS: 2 • LECTURE: 0 • LAB: 5 • REPEAT: 0
PREREQUISITE: Concurrent enrollment in AUTM 242 and grade of "C" in AUTM 231, 233, 235, and 237 or consent of instructor

Studies service procedures, customer relations, and diagnosis of all areas of auto repair. Includes diagnosis and light repair in all previous courses studied. This class will help prepare the student for the ASE test A8, Engine Performance.

AUTM 248 O
Automotive Heating and Air Conditioning

*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 3 • REPEAT: 0

Studies air conditioning fundamentals of standard and automatic temperature control systems. Diagnose and repair of air conditioning units and the preparation for certification in the handling and recycling of CFC12 and retrofitting to 134A. This class will help prepare the student for the ASE test A7, Heating and Air Conditioning.

* See page 123 for an explanation of course data information categories.

Biology (BIOL)

BIOL 103 O
Principles of Pharmacology
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0
PREREQUISITE: BIOL 120 or 213
COREQUISITE: Enrollment in the Nursing program

Introduces basic principles of pharmacologic interactions within various body systems. Also includes instruction in mathematical formulas and safe administration of medication.

BIOL 104 O
Pharmacology
*COURSE DATA: CREDITS: 3 • LECUTRE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BIOL 103
COREQUISITE: Enrollment in the Nursing program

Introduces basic principles of pharmacologic interactions within various body systems. Also includes instruction in mathematical formulas and safe administration of medication.

BIOL 109 T
Plants and Society
*COURSE DATA: CREDITS: 3 • LECUTRE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: High School Biology

Course intended to satisfy a three credit life science general education requirement. Emphasizes scientific inquiry through selected concepts in biology, such as organization, function, heredity, evolution and ecology, using plants as the type of organism. Topics include plant chemistry, plant structure, growth, genetics, evolution, physiology, reproduction, and the importance and inter-relationships between plants and humans. IAI Code: L1 901

BIOL 110 T
Principles of Biology
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0

Emphasizes scientific inquiry and principles common to all major fields of biology. Biological issues with personal and social implications will be introduced to enable students to make informed decisions. Covers such topics as cell biology, heredity, ecology and evolution. Satisfies the science requirement for non-science majors and provides the foundation for further study for science or professional majors.

BIOL 111 T
General Botany
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: BIOL 110 or consent of instructor

Introduces the principles of structure, function, growth, and reproduction of higher plants and provides a survey of the plant kingdom with an emphasis on evolutionary relationships. IAI Code: BIO 914

BIOL 112 T
Zoology
*COURSE DATA: CREDITS: 5 • LECTURE: 3 • LAB: 4 • REPEAT: 0
PREREQUISITE: BIOL 110 or consent of instructor.

Introduces the study of animals and animal populations. Emphasis is placed on the relationship between structure and function, especially in animals that represent different levels of evolutionary development. Topics include anatomy, physiology, behavior, ecology, reproduction, genetics, and development. Laboratory work includes experiments in animal behavior and ecology as well as animal dissection. Required field trips. IAI Code: BIO 915

BIOL 116 T
Introduction to Ecology
*COURSE DATA: CREDITS: 4V • LECTURE: 3 • LAB: 2 • REPEAT: 0

Presents how various organisms relate to their environments. Examines the principles of ecology as they relate environmental problems. Emphasizes personal actions and local problems as they relate to more global issues. Emphasis is placed on the needs of plants and animals and how the activities of man affect them. Course may be taken for 3 credits without lab or 4 credits with lab. IAI Code: L1 905L

BIOL 117 T
Basic Nutrition
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies the basic elements of nutrition. Emphasis is placed on meeting the normal nutritional needs for individuals of all ages and cultural backgrounds.

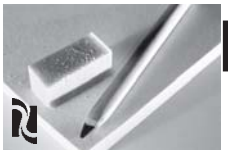
BIOL 118 T
Local Flora
*COURSE DATA: CREDITS: 2 • LECTURE: .5 • LAB: 3 • REPEAT: 2

Focuses on the native plants of northern Illinois. Through the use of taxonomic keys and field trips, students will become familiar with the plants in bloom at the time the course is taken. A maximum of six (6) credit hours may be earned in this course.

BIOL 119 T
Field Ornithology
*COURSE DATA: CREDITS: 2 • LECTURE: .5 • LAB: 3 • REPEAT: 3

Six evening sessions precede a nine- or ten-day field experience during which students will actively bird watch in the morning and evening of each day. During midday, students will travel to new birding areas. During the course, students will visit a variety of habitats in Illinois, Michigan, Wisconsin, and Canada. On alternate years, the extended field experience will visit Big Bend National Park in Texas, the Outer Banks of North Carolina, or another area offering a distinctive bird fauna. A maximum of eight (8) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.



BIOL 120 T
Foundations of Anatomy and Physiology
*COURSE DATA: CREDITS: 5 • LECTURE: 4 • LAB: 2 • REPEAT: 0

Introduces the student to the structure and function of the human body. The entire human body is studied via a systematic approach. Laboratory experiences illustrate the relationships between structure and function in addition to providing clinical correlations. IAI Code: L1 904L

BIOL 124 T
Microbes and Society
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Satisfies a three-credit life science general education requirement. Emphasizes scientific inquiry through selected concepts in biology including organization, function, heredity, evolution and ecology, using microbes as the type of organism. Topics include a survey of microorganisms, the role of microorganisms in health and disease, ecology of microbes, economic and social impact of microbes, and an introduction to the role of microorganisms in biotechnology.
IAI Code: L1 903

BIOL 211 T
General Microbiology
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: 4 hours of Biology or Chemistry

Includes classification, morphological, physiology, and pathogenesis of microbes. Laboratory work includes experiments in culture, control, identification, genetics, and industrial uses of microbes. This course will provide a foundation for students entering the various health and biological professions. IAI Codes: CLS 905 and NUR 905

BIOL 213 T
Human Anatomy and Physiology I
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 3 • REPEAT: 0

Includes a detailed study of the structure and function of the human body. The integumentary, skeletal, muscle, and nervous systems are studied down to the cellular and molecular levels. Laboratory work includes experiments in physiology, organ, and animal dissection, as well as study of a human cadaver. IAI Codes: L1 904L and NUR 903

BIOL 214 T
Anatomy and Physiology II
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 3 • REPEAT: 0
PREREQUISITE: BIOL 213 or consent of instructor

Continued detailed study of the structure and function of the human body. The endocrine, circulatory, digestive, respiratory, excretory, and reproductive systems are studied down to the cellular and molecular levels. Laboratory work includes experiments in physiology, organ, and animal dissection, as well as study of a human cadaver.
IAI Code: NUR 904

Business Administration (BUSN)

BUSN 103 V
Seminar in Supervision
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Covers various problems encountered by persons in supervisory positions including concepts of supervision, communication, planning, controlling, and other special topics relating to supervision.

BUSN 121 T
Introduction to Business
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 125 or equivalent Math course.

Introduces numerous aspects of modern business to the student. Includes organization, labor-management relations, stock market exploration, marketing, forms of ownership, business functions, as well as offering an overview of career choices available in business. The roles and relationships which business plays in society are discussed and evaluated. IAI Code: BUS 911

BUSN 124 O
Introduction to Small Business
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Concurrent enrollment or completion of BUSN 125

Helps students learn the details of owning and operating their own business. This is a practical, how-to course that aids the student in preparing a business plan that could be submitted to a banker for a business loan.

BUSN 125 O
Mathematics of Business
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 061 or Math placement into MATH 065

Increases a student's basic mathematical skills and teaches how to utilize those skills in practical business applications. The course covers a comprehensive review of mathematical principles with application in the areas of taxation, banking, discounts, pricing, income determination, transactions in corporate securities, insurance, business graphs, and basic algebra.

BUSN 141 O
Management Communications
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: COMM 090 or placement into ENGL 121

Intended for persons pursuing technical careers, this course includes communication principles and practical applications to on-the-job situations. Written instruction includes preparation of employment materials, business documents, complaint and adjustment letters, and student selected professional topics. Oral topics cover interpersonal communications, presentations, business reports, and student selected activities.

* See page 123 for an explanation of course data information categories.

BUSN 143 O
Fundamentals of Retailing
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Presents a detailed analysis of the American retailing industry. The student will study the methods and technologies successful retailers use to establish, organize, operate, and control a modern retailing business. Specific emphasis is given to forms of ownership, legal requirements for business operations in Illinois, and federal reporting requirements.

BUSN 149 O
Small Business Management
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 124

Presents a practical approach to the operation of a small business emphasizing the management, marketing, personnel, and financial functions. An understanding of the economic and social environment within which small concerns function is developed. Students will have practice in decision making and utilizing the acquired knowledge of business functions and environments by analyzing actual business cases.

BUSN 221 T
Business Statistics
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 166 or 171 or consent of instructor

Covers measures of central tendency, variability, sampling, statistical inference, simple linear regression, and correlation. This is the first course in statistics for business majors. IAI Code: BUS 901

BUSN 223 T
Business Law I
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 121 or 124

Introduces civil law. Areas covered are the court system, contracts, agency and employment, commercial paper, personal property, and bailment. The course is designed to acquaint students with business law and applications as they relate to private citizens. Course is based on Uniform Commercial Code. IAI Code: BUS 912

BUSN 224 T
Business Law II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 121 or 124

Considers the following topics: sales, security devices, partnerships, corporations, real property, estates, bankruptcy, and divorce. It is advised that law courses be taken in sequence.

BUSN 229 T
The Legal Environment of Business
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Places emphasis on federal government involvement in business. Topics include employment, administrative agencies, labor management relations, product liability, and problems of legislating control over the business environment. IAI Code: BUS 913

BUSN 241 O
Principles of Personnel Management
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 249 or work experience with consent of instructor

Offers a more detailed understanding of human behavior in an organization. Discussions will relate to the personnel management system, staffing and organization, individual and group behavior, management-labor relations, remuneration, and EEOC. The course may be taken by all students who are interested in people management.

BUSN 242 O
Fundamentals of Supervision
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Assists first line and potential supervisors in developing a better understanding of their jobs and responsibilities. The course promotes ideas for efficiency, identifies management skills, and establishes the supervisor's place on the management team. Discussions on various related topics directed at the supervisor's fundamental needs and problems will be emphasized.

BUSN 244 O
Principles of Advertising
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Emphasizes the practical techniques of copyrighting, layout, production, and media buying. Major advertising media are discussed, such as newspapers, magazines, direct mail, radio, television, and point-of-purchase with emphasis on present-day practices and uses.

BUSN 246 T
Principles of Marketing
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 121 or ECON 111

Presents an overview of the strategies and tactics used by successful firms in the distribution of goods and services to satisfy consumer desires and corporate objectives. Emphasis is placed on the marketing concept as a means to integrate American business objectives and consumer needs. The economic, sociological, and psychological factors affecting consumer needs are introduced and discussed.

* See page 123 for an explanation of course data information categories.

BUSN 249 T
Principles of Management
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 121 or practical business experience in a supervisory position and consent of instructor

Explains the jobs of managers and how they function within an organization. Class discussion revolves around management theories. Topics discussed include fundamental concepts of management, decision-making, planning, organizing, staffing, directing, and controlling.

Business Machines (BMAC)

BMAC 142 O
Electronic Calculator
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 061 or placement into MATH 065

Develops a job entry-level skill for this business machine. The student operates the machine using touch control. Business math problems such as percentages, discounts and net amounts, merchandising, rate of increase, decrease, interest, insurance, and invoicing are solved using electronic calculators. This course is offered in the Office Technology Lab where class time and learning pace are set by the individual.

Chemistry (CHEM)

CHEM 101 T
Introduction to Chemistry
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 1
PREREQUISITE: One year of high school algebra, MATH 065, or placement into MATH 162.

Presents the fundamental concepts of chemistry. This is a beginning course for students with no previous background in chemistry. It may be used as preparation for nursing programs as well as for any general chemistry course. This course does not fulfill the general education science requirement and is not intended to replace other chemistry courses in any curriculum. A maximum of six (6) credit hours may be earned in this course.

CHEM 120 T
General, Organic, and Bio Chemistry
*COURSE DATA: CREDITS: 4V • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: High school chemistry or CHEM 101 or consent of instructor and one year high school algebra or MATH 065

Includes the study of inorganic, organic, and biological chemistry and is designed to provide the fundamental concepts necessary for the understanding of the chemical processes of the human body and related subjects such as nutrition, pharmacology, and microbiology. It is not designed for medical technology or science majors. This course may be taken for three (3) credit hours of lecture. Two (2) hours of laboratory may be taken for an additional one (1) credit hour for a maximum of four (4) credits. The laboratory component includes experiments in inorganic, organic, and biological chemistry. This course is also offered in an online format See the current class schedule. IAI Code: P1 902L (must be 4 credit hours)

CHEM 123 T
General College Chemistry I
*COURSE DATA: CREDITS: 5 • LECTURE: 3 • LAB: 4 • REPEAT: 0
PREREQUISITE: MATH 166 or concurrent enrollment and high school chemistry or CHEM 101 or consent of instructor

Presents the first of a two-semester sequence in general chemistry. This course is for the student planning to major in any science or related field for meeting the General Education requirements. Quantitative applications of principles are stressed and the student is expected to have a good background in basic algebra. Topics covered include atomic structure and the periodic table, stoichiometry, types of reactions, thermochemistry, types of bonds, electron and orbital modeling, and introduction to gas, solid, and liquid chemistry. IAI Codes: P1 902L, CHM 911, EGR 961, and NUR 906

* See page 123 for an explanation of course data information categories.

CHEM 124 T
General College Chemistry II
*COURSE DATA: CREDITS: 5 • LECTURE: 3 • LAB: 4 • REPEAT: 0
PREREQUISITE: CHEM 123 or proficiency exam

Provides a continuation of CHEM 123 with emphasis on acids and bases, chemical equilibrium, rates of reactions, thermodynamics, electrochemistry and a study of the periodic table, as well as an introduction to nuclear chemistry. IAI Codes: BIOL 907, CHM 912, CLS 907, EGR 962, and NUR 907

CHEM 220 T
Elementary Organic Chemistry
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: CHEM 120 or 123

This is a beginning organic chemistry course for non-chemistry majors and is designed for those students majoring in disciplines requiring only one semester of organic chemistry. It provides a survey of basic concepts of aliphatic and aromatic compounds and their applications to biochemistry.

CHEM 221 T
Organic Chemistry I
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 3 • REPEAT: 0
PREREQUISITE: CHEM 124

Covers the general principles of atomic and molecular structure, reaction energy transformations, reaction mechanisms, specific reactions and nomenclature for alkanes, alkenes and alkynes and an introduction to aromatic systems. Stereochemistry, free radical mechanisms, substitution mechanisms and elimination mechanisms are covered. IAI Codes: BIO 908, CHM 913, CLS 908, EGR 963, and NUR 908

CHEM 222 T
Organic Chemistry II
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 3 • REPEAT: 0
PREREQUISITE: CHEM 221 or consent of instructor

Continues the systematic study of organic chemistry with an emphasis on the aromatic families, alkyl halides, organometallic compounds, amines, aldehydes, ketones, acids, acid derivatives and B-dicarbonyl compounds; with biological implications. Lab work centers around syntheses related to the theory discussed in lectures. The techniques acquired in CHEM 221 are emphasized in this work.
IAI Codes: BIO 909, CHM 914, CLS 909, and EGR 964

CHEM 225 T
Elementary Organic Chemistry Laboratory
COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITES: Concurrent enrollment in CHEM 220 or consent of instructor

A laboratory course designed to give the student an introduction to synthetic organic chemistry including purification and characterization techniques.

Communications (COMM)

COMM 085 D
Basic Language Skills
*COURSE DATA: CREDITS: 5V • LECTURE: 5 • LAB: 0 • REPEAT: 3
PREREQUISITE: HCC Placement Test

Emphasizes the development of language skills in an integrated context – reading, thinking, writing, and speaking. Students will be introduced to and practice basic grammar and punctuation concepts and they will respond in writing to a variety of readings, revise content for substance and clarity, and edit. A maximum of twenty(20) credit hours may be earned in this course.

COMM 086 D
Learning Strategies
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 3

Provides student involvement in the processes of self-assessment and self-awareness using a variety of available inventories and checklists. Personality types, learning styles/strategies, attitudes, and preferences will be discussed in relation to academic success and career placement. A maximum of eight (8) credit hours may be earned in this course.

COMM 087 D
Writing Workshop
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 3
COREQUISITE: Concurrent enrollment in ENGL 121

Based on individual need, includes but is not limited to how the writing process can help the student become a better writer; how to plan and write an essay; how to take and support/defend a position on an issue; and how to edit for grammar, usage, spelling, and punctuation. A maximum of four (4) credit hours may be earned in this course.

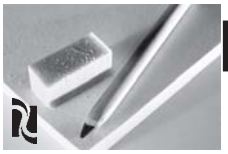
COMM 088 D
Critical Thinking
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 3

This course may include but not be limited to sentence construction, punctuation, spelling, paragraph development, and development of the whole essay based on individual student need.

COMM 090 D
Preface to Rhetoric
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 3

Emphasizes correct English usage. This course involves a thorough review of basic grammatical skills so students consistently write correct sentences. Students also learn the basic rhetorical concepts of composition for paragraphs and short themes, and are introduced to the word processing skills required for course assignments.

* See page 123 for an explanation of course data information categories.



COMM 095 D
Basic Composition
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 3
PREREQUISITE: Recommendation of instructor based upon performance in COMM 090

Reviews major aspects of grammar and usage, and presents basic concepts of rhetoric. This course is for students who need continued work in basic composition skills.

COMM 098 D
Study Skills
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 3

This course is designed to help the student to read and to study more efficiently. The instructor and the student plan a program of instruction and practice for improving the student's vocabulary, comprehension, study skills in the content areas, and/or flexibility in reading speed. The area of study is determined by an analysis of standardized reading survey test scores and individual testing. Credit will be awarded whenever the student can demonstrate a satisfactory level of performance. Enrollment may take place at any time.

COMM 101 O
Technical Communications
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: COMM 090 or placement into ENGL 121

Teaches technically oriented students the practical communication skills needed for educational and occupational situations. The student will analyze typical communication problems and create written and oral projects.

COMM 120 D
College Reading Strategies
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 3
PREREQUISITE: HCC Placement Test

Provides students with practice and instruction in using college-level reading skills. Application of strategies to aid in comprehension is stressed. Students who place into the course and who do not demonstrate a sufficient mastery of the skills must repeat the course. A maximum of twelve (12) credit hours may be earned in this course.

COMM 214 O
Business and Technical Writing
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: A grade of "C" in BUSN 141, COMM 101 or ENGL 121

Investigates contemporary theories of modern business and technical communication. Students observe current styles of usage, discuss technologies available, and investigate both cultural and ethical issues. Required projects include business letters, memoranda, written and oral reports, and one major research paper. These projects offer students practical experience in modern communication skills and principles.

Cosmetology (COSM)

COSM 121 O
Science and Practice of Cosmetology I
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0

Student will identify safety and decontamination procedures required for safe and sanitary customer services in the cosmetology industry. Students will perform manicures, shampoos, and learn to condition the hair and scalp.

COSM 122 O
Science and Practice of Cosmetology II
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 121 or concurrent enrollment

Students will identify and demonstrate skills in basic finger waving and the use of pin curls. Students will perform basic lab services on mannequins.

COSM 123 O
Science and Practice of Cosmetology III
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 122 or concurrent enrollment

Students will demonstrate skills in the principles of hair roller placement and set and comb hair using various patterns and roller style. Students will also learn the operating principles of the clinic's dispensary and reception desk.

COSM 124 O
Science and Practice of Cosmetology IV
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 123 or concurrent enrollment

Introduces hair shaping and permanent waving terminology and techniques. Students will shape hair with scissors and razors. Students will also demonstrate sectioning and wrapping for a permanent wave and demonstrate the application of chemicals for permanent waving of the hair.

* See page 123 for an explanation of course data information categories.

COSM 131 0
Science and Practice of Cosmetology V
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 124 or concurrent enrollment

Students will perform business-related math problems and identify and demonstrate principles of color theory, client consultation, and hair analysis. Students will perform customized permanent wave wraps and demonstrate scalp treatments.

COSM 132 0
Science and Practice of Cosmetology VI
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 131 or concurrent enrollment

Students will perform semi-permanent and permanent hair coloring procedures, decolorization (lightening), and hair recolorization.

COSM 133 O
Science and Practice of Cosmetology VII
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 132 or concurrent enrollment

Introduces skills in esthetics (skin care). Students will learn the structure and functions of the skin and identify diseases and disorders of the skin and perform facial treatments. Also, introduces the application of facial make up.

COSM 134 O
Science and Practice of Cosmetology VIII
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 133 or concurrent enrollment

Introduces ethnic hair-care principles and techniques and demonstrates nail-extension techniques and procedures. Students will also perform pedicures and other advanced clinic services.

COSM 141 O
Science and Practice of Cosmetology IX
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 134 or concurrent enrollment

Introduces basic anatomy and physiology related to the application of cosmetology services. A basic understanding of nerves and muscles as they relate to proper cosmetology service techniques will be developed. Students will perform hair analysis and various advanced hair-styling techniques.

COSM 142 O
Science and Practice of Cosmetology X
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 141 or concurrent enrollment

Introduces the vascular system in relation to the performance of advanced cosmetology and hair styling techniques. Also introduces the student to the managerial aspects of operating a salon as they perform advanced clinical services.

COSM 143 O
Science and Practice of Cosmetology XI
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 142 or concurrent enrollment

Requires that students perform advanced hairstyling and skin care techniques. Students will also learn the principles and techniques of artificial eyelash application. A salon internship is available to qualified students in this course.

COSM 144 O
Science and Practice of Cosmetology XII
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 0
PREREQUISITE: COSM 143 or concurrent enrollment

A continuation of the performance of advanced hairstyling techniques. This is the culminating course in the program leading to the state board examination. In this course, students complete final course theory and prepare for their final practical and written course exam.

COSM 180 V
Introduction to Therapeutic Massage
*COURSE DATA: CREDITS: 2 • LECTURE: 1.5 • LAB: 1 • REPEAT: 2

An introduction to anatomical principles, manipulative movements, and classic massage therapy techniques. Topics include hygiene, sanitation, environment, client wellness, and the six major categories of massage movements. A maximum of six (6) credit hours may be earned in this course.

COSM 190 O
Nail Technology I
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 5 • REPEAT: 0

An introduction to the profession including: salon conduct, ethics, sanitation, and safety with chemicals and techniques.

COSM 192 O
Nail Technology*)*
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 5 • REPEAT: 0
PREREQUISITE: COSM 190 or concurrent enrollment

Students will identify and demonstrate understanding of nail product chemistry, anatomy and physiology of skin and nails, diseases or disorders of the nail, and infection control.

COSM 194 O
Nail Technology III
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 5 • REPEAT: 0
PREREQUISITE: COSM 192 or concurrent enrollment

Students will identify and demonstrate skills in client consultation, manicuring, pedicuring, and related services.

* See page 123 for an explanation of course data information categories.

COSM 196 O
Nail Technology IV
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 2
PREREQUISITE: COSM 194 or concurrent enrollment

Students will identify and demonstrate skills in application of nail tips, wraps, acrylics, gels, and nail art. Business skills are introduced including: records, marketing, and sales. Internships may be offered to qualified students. A maximum of nine (9) credit hours may be earned in this course.

Drafting/CAD (DRAF)

DRAF 101 T
Drafting Fundamentals
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: DRAF 105

Acquaints the student with the fundamentals of mechanical drafting with CAD software. Some topics covered are multiview projection, section views, auxiliary views, and dimensioning. Inch and metric units will be used.

DRAF 102 T
Drafting Fundamentals II
*COURSE DATA: CREDITS: 3 LECTURE: 2 LAB: 2 REPEAT: 0
PREREQUISITE: DRAF 101

Provides a continuation of DRAF 101. This course gives the student more advanced mechanical drafting experience. Some topics covered are allowances, tolerances, detail drawings, assembly drawings, isometrics, and 3D construction.

DRAF 105 O
Computer-Aided Drafting (CAD) I
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Acquaints the student with the basics of two-dimensional, computer-aided design. Topics include menu and command structure, creating geometry, editing, file storage, layers, color manipulation, dimensioning, text generation, and plotting.

DRAF 110 O
Print Reading and Inspection
*COURSE DATA: CREDITS: 2V • LECTURE: 1 • LAB: 2 REPEAT: 2

Acquaints the student with the interpretation of basic mechanical drawings. An emphasis will be placed on the evaluations of multiple views, dimensioning, tolerancing, terminology, and the use of standard industrial symbols. A maximum of six (6) credit hours may be earned in this course.

DRAF 111 O
Architectural Print Reading
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 REPEAT: 0

Acquaints the student with the interpretation of Residential and Commercial Construction Prints. An emphasis will be placed on the interpretation of information found on floor plans, foundation plans, elevations, and special details.

DRAF 151 T
Engineering Graphics
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: Suggested DRAF 105

Provides the student with (CAD) computer aided drafting tools to solve engineering graphics problems. Topics include (2D) two-dimensional multiview orthographic representations, auxiliary views, section views, dimensioning, fundamental descriptive geometry, and (3D) three-dimensional parametric modeling for design and visualization. IAI Code: EGR 941

DRAF 254 O
Architectural Special Topics
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: DRAF 103 and MTEC 245

This is a capstone course that requires completion of a comprehensive project. The project demonstrates integration of previous course work knowledge. This project will include elements of team design and development culminating in a class presentation and critique of the project.

DRAF 260 O
CAD-3D Solid Modeling
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: DRAF 102 or consent of instructor

Studies the principles and techniques used to develop three-dimensional forms. The use of parametric Solid Modeling and 3D-rendering techniques will be stressed as a design and presentation tool.

* See page 123 for an explanation of course data information categories.

Early Childhood Education (CHLD)

CHLD 181 O
Introduction to Early Childhood Education
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT : 0

Introduces the student to recent trends in early childhood education, including study of the growth and development of children birth-to-eight years old, learning theories, types of preschool programs, teaching methods and procedures, selection, care and use of educational equipment, the role of the child care worker, and working with young children with special needs.

CHLD 183 O
Observation and Guidance of the Young Child
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: CHLD 181 or concurrent enrollment

Covers socio-emotional development, classroom management, and child guidance strategies for children two through eight years. Emphasis on the adults' role in promoting pro-social skills and self-esteem in young children. Observation techniques, writing progress reports, and managing challenging behaviors are included.

CHLD 185 O
Foundations of Family Child Care
*COURSE DATA: CREDITS: 1 LECTURE: .5 LAB: 1 REPEAT: 0

Provides prospective home day care owner/operators (providers) with all the essential information needed to successfully open and operate a home day care program. It includes help in licensing, enrollment, organization, curriculum, program-family relations, and financial management.

CHLD 186 O
Nutrition and Health of the Young Child
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Covers the importance of nutrition to child growth and development in the early years. Emphasis is placed on USDA, DCFS, and HeadStart nutrition standards and procedures. Also includes safety, first aid, and sanitation standards and procedures for child-care settings. CPR and First Aid certification are included.

CHLD 187 O
Practicum I
*COURSE DATA: CREDITS: 1 • LECTURE: .5 • LAB: 1 • REPEAT: 0
PREREQUISITE: CHLD 181 and COMM 101 or concurrent enrollment

Complements the topics and issues covered in CHLD 181. Students spend time in licensed child-care homes or centers observing and assisting the lead teachers. No planning or group management skills are required at this level.

CHLD 189 O
Family, Community Relationships, and Resources
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: CHLD 181 or concurrent enrollment

Defines the role of teachers and caregivers to families in programs for young children. Covers types of families and parent involvement, barriers and strategies for encouraging family involvement in children's programs and schooling, and special topics such as adoption, disabilities, and high-risk families. Special emphasis is placed on communication skills.

CHLD 190 O
Music and Movement for the Young Child
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: CHLD187

Incorporates music and movement education and planning for programs with young children, ages birth through eight, with a focus on the preschool years two-five. It covers motor, auditory, and musical development in children and the integration of music education with expressive (creative) and physical-education activities.

CHLD 191 O
Practicum II
*COURSE DATA: CREDITS: 2 • LECTURE: .5 • LAB: 3 • REPEAT: 0
PREREQUISITE: CHLD 187

Gives students the opportunity to plan and direct activities and a daily program in a child-care facility under supervision of a lead teacher. Emphasis is placed on understanding the teacher's role in early-childhood education. Weekly seminars are held to help students process their experiences, in addition to individual conferences and writing assignments.

CHLD 281 O
Infant and Toddler Care
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0
PREREQUISITE: CHLD 181

Covers the growth and development of children ages birth-to- three as applied to care-giving settings such as home daycare and group care. Emphasis on skills needed for preparing and managing a safe environment and planning stimulating, age-appropriate activities.

CHLD 282 O
Creative Activities for the Young Child
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 REPEAT: 0
PREREQUISITE: CHLD 181

Studies methods in the selection, preparation, presentation, and extensions of visual arts and related manipulatives for young children 18 months through eight years. Additional emphasis is placed on the development stages of children's visual arts.

* See page 123 for an explanation of course data information categories.

CHLD 283 O
Math and Science for the Young Child
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 REPEAT: 0
PREREQUISITE: CHLD 181

Covers practical applications of child development theory and principles to math and science education in pre-kindergarten settings. Particular emphasis on planning and implementing investigations and inquiry experiences utilizing objects and phenomena in children's immediate environment (e.g. nature study, kitchen chemistry, backyard physics, etc.).

CHLD 284 O
Exceptional Child in Early Childhood Education
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0
PREREQUISITE: CHLD 181

Examines the characteristics and impact of a range of disabilities on young children and their development, with consideration for group-care settings such as home day-care and center-based care. Practical issues include adapting classroom environments and activities. Identifies the legal and best practice guidelines for programs in this area, as well as guidance for working with parents.

CHLD 285 T
Children's Literature
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Helps adults share with children the excitement and value of reading. The course surveys children's literature materials. Group activities, story telling techniques, puppetry, book selection, and other methods of motivation and working with children are introduced.

CHLD 286 O
Children's Literature and Language Development
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: CHLD 181

Focuses on the development and function of language in children birth through age 6. Covers the dependence and relationship of language development to other growth processes. Emphasis on developing skills in teacher-child interaction, selection and use of books, and in classroom management as tools in the promotion of children's language: speaking, listening, and early literacy.

CHLD 287 O
Curriculum Planning
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Successful completion of 30 hours in CHLD courses or consent of instructor

Studies the techniques of planning, presenting, guiding, evaluating, and motivating educational experiences for the preschool child. Emphasis on materials selection and adaptation; and the learning environment as the curriculum.

CHLD 288 O
Supervision & Administration of Child Care Programs
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Successful completion of 30 hours in CHLD courses or consent of instructor

Covers program development, supervision, staff training, budgeting, and evaluation. Emphasis on interpersonal skills building and community resource utilization as key components of effective program management.

CHLD 289 O
Practicum III
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 0
PREREQUISITE: Consent of instructor

Designed for advanced students in the early-childhood education who intend to pursue leadership positions in this field. Students will work with the instructor to design a placement schedule that provides opportunities for observation and participation in positions such as director, executive director, child advocate, counselor, program or education coordinator, child-life specialist, or home day-care owner.

CHLD 291 O
Legal and Fiscal Management of Child Care Programs
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Successful completion of 39 hours in CHLD courses or consent of instructor

Addresses the specific knowledge and skills needed to effectively set up and manage the legal and fiscal components of a child-care program. Course content includes Illinois DCFS Licensing Standards, building, zoning, fire, occupational safety, health sanitation, and Americans with Disabilities Act standards as they apply to child-care programs. Also includes training in identifying funding sources and applying for funding (loan and grant writing). Practice in budgeting, cash-flow management, fundraising, and state and federal reimbursement programs included. Legal aspects addressed include knowledge of child abuse, child custody and special education laws, insurance liability, contract and labor laws which impact on child-care programs.

* See page 123 for an explanation of course data information categories.

CHLD 292 O
Staff Management and Human Relations in Child Care Programs

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Successful completion of 39 hours in CHLD courses or consent of instructor

Includes knowledge and skills necessary to the effective staff management and leadership of a child development program. Marketing the program to parents and prospective staff, interviewing staff and prospective parents, developing integrated staff performance appraisals and training plans are addressed. Also includes information and practice in relating to staff and community of diverse racial, cultural and ethnic backgrounds. There is additional emphasis on effective interpersonal communication, team building, and collaboration within the program and in the larger community.

CHLD 295 O
Seminar in Early Childhood Education

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Successful completion of 39 hours in CHLD courses or consent of instructor

Expands on the issues and topics introduced and practiced during the previous two steps in the program. Topics addressed will be professional ethics and behavior, workplace communication skills with coworkers and parents, resume writing and job interviews, child advocacy, leadership roles and responsibilities, advanced curriculum planning, and curriculum and program evaluation.

Economics (ECON)

ECON 111 T
Principles of Economics I (Macro)

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 125 or placement above MATH 065 level

Introduces the student to the basic economic concepts of the market system, national output and expenditures, money, inflation, unemployment, Gross Domestic Product, and related contemporary economic events. IAI Code: S3 901

ECON 112 T
Principles of Economics II (Micro)

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: BUSN 125 or placement above MATH 065 level

Introduces the student to the basic economic concepts of prices, profits and losses, supply and demand, market process in the real world competition, pollution, population, urbanization, poverty and related contemporary economic events. IAI Code: S3 902

Education (EDUC)

EDUC 100 T
Education Observation I

*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: PSY 161 or consent of instructor

Provides an orientation to the profession of teaching and supervised observational experience in a classroom setting for elementary and secondary education majors. IAI Codes: ART 921 and EED 904

EDUC 200 T
Education Observation II

*COURSE DATA: CREDITS: 2 • LECTURE: 0 • LAB: 4 • REPEAT: 0
PREREQUISITE: PSY 161 or consent of instructor

Provides an orientation to the profession of teaching and supervised observational experience in a classroom setting for special education and physical education majors. IAI Codes: EED 904, SED 905, & SPE 914

EDUC 221 T
The American Public School

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies the characteristics of our educational system including the organization, administration and finance of public education, teacher training and certification, and issues and trends of American education. IAI Code: EED 901

EDUC 222 T
Education as an Agent for Change

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

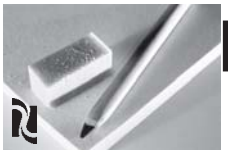
Studies the characteristics of our educational system including the organization, administration and finance of public education, teacher training and certification, and issues and trends of American education.

EDUC 224 T
Introduction to Special Education

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides information about opportunities to work with children with disabilities. The topics covered will be the categories of exceptionality, incidence rates, history of programs, present educational programs, and the relationship of special education to the total school program.

* See page 123 for an explanation of course data information categories.



Electronics Technology (ELET)

ELET 179 O
Electronics Principles
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 162 or consent of instructor

Surveys selected electrical and electric components and lays the groundwork for future study in electronics. No previous electronics background is necessary, but adequate reading and writing skills are necessary and some knowledge of algebra is helpful. Topics to be covered include electrical quantities, units and notation, electronic laws and circuit analysis, components, and their function and demonstrations of test equipment.

ELET 180 O
Introduction to Electronics
*COURSE DATA: CREDITS: 4V • LECTURE: 2 • LAB: 4 • REPEAT: 2

Introduces the student to electronic concept and devices. The course objective is to develop student interest in electronics and give the student an appreciation of the impact of electronics in our technological society.

ELET 182 O
Electronic Devices and Circuits I
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: ELET 179

Introduces students to lab instruments, power, and signal sources and begins lab exploration of electrical and electronic components and circuits. Instrument topics include meters, oscilloscopes, signal sources, and power supplies. Students will build, operate, and evaluate circuits using switches, relays, discrete and integrated semi-conductors, and related components.

ELET 183 O
Electronic Devices and Circuits II
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: ELET 182

Continues to study the electronic components and circuits by extending the study of semi-conductor devices to include operational amplifiers, digital logic circuits, converters, and other electronic topics related to manufacturing applications. Students will gain experience in constructing, operating, and troubleshooting electronic circuits.

ELET 290 O
Sensors and Interfacing
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: ELET 182 or consent of instructor

Provides emphasis on the selection and application of sensor devices used to measure variables such as temperature, light level, speed, proximity, and other common inputs. Signal conditioning, level shifting, conversion, and signal transmission will also be included. Applies student knowledge of sensors and sensor circuits by constructing, testing and troubleshooting components and circuits. Applications, circuit performance, and detection of circuit faults will be featured.

ELET 295 O
Programmable Logic Controllers
*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: INFT 180 and ELET 179 or consent of instructor

Introduces the programmable logic controller (PLC) as a control element in industrial applications. Students will learn PLC terminology, ladder logic program planning techniques, program editing skills, and how to interface sensors, switches, and output devices to PLCs through hands-on experience with the programmable logic controller (PLC). Students will program and troubleshoot PLC's to carry out common control applications.

English (ENGL)

ENGL 121 T
Rhetoric and Composition I
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Satisfactory achievement level on the writing sample portion of the Placement Test or successful completion of COMM 090 or equivalent

This course is designed to help students to write effectively. Instruction is offered in the basic elements of rhetoric; much practice is given in composing themes. IAI Code: C1 900

ENGL 122 T
Rhetoric and Composition II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in ENGL 121 or equivalent

This class, a continuation of English 121, relates reading and writing skills in an effort to develop the ability to perceive and express abstract thought relationships. Skills are developed in writing to inform, persuade, and evaluate. IAI Code: C1 901R

* See page 123 for an explanation of course data information categories.

ENGL 200 T
Introduction to Linguistics
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces the student to the study of language. Covers the sound, writing, and grammatical systems; language classification and change over time; language learning; and the sociology and psychology of language.

ENGL 220 T
Topics in Literature
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Improves those skills necessary to understand, critically evaluate, and respond to persuasive prose (advertising, editorials, essays, etc.), literature, and information in the subject areas.

ENGL 221 T
Creative Writing
*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: ENGL 122 or equivalent

Advances skills in expository and creative writing. It will be helpful for English majors or those who may need special writing skills in their chosen occupation.

ENGL 222 T
Modern Literature
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or equivalent

English 222 is an introductory poetry course. The course will focus on 13 modern American poets.

ENGL 223 T
Introduction to Fiction
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or equivalent

Introduces the student to prose fiction. Designed to improve the student's ability to read the short story and the novel critically with keener understanding and appreciation. IAI Code: H3 901

ENGL 224 T
Introduction to Poetry
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or equivalent

Introduces the student to poetry. Designed to deepen the student's insight into the relation between literary theme and form by close analysis of poems. IAI Code: H3 903

ENGL 225 T
American Literature I
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB : 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or equivalent

Examines the literature of America from the Colonial period through the Civil War. Emphasis will be on major themes, authors, and the relation between the literature and the historical events of the period. IAI Code: H3 914

ENGL 226 T
American Literature II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or equivalent

Examines the literature of America from the Civil War to the present. Emphasis will be on major themes and writers of the time, especially in fiction and poetry. IAI Code: H3 915

ENGL 227 T
British Literature I
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or equivalent

This course, the first half of a year's survey of British literature, examines the literature of Great Britain from its Anglo-Saxon origins through the 17th Century. It focuses on recurring themes in British literature, on the relationship between this literature and major historical events of each era, and on questions and explorations of literary form. IAI Code: H3 912

ENGL 228 T
British Literature II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or equivalent

This course, the second half of a year's survey of British literature, examines the literature of Great Britain from the Age of Reason to modern times. It focuses on recurring themes in British literature, on the relationship between this literature and major historical events of each era, and on questions and explorations of literary form. Emphasis will be placed on the works of the most representative and influential authors of this period. IAI Code: H3 913

ENGL 229 T
Introduction to Shakespeare
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or equivalent

Studies representative comedies, tragedies, and historical plays. Designed to give special attention to the development of Shakespeare as a dramatist in his own time and his significance today. IAI Code: H3 905

* See page 123 for an explanation of course data information categories.

ENGL 250 T
Practical Writing
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 122 or equivalent

Intended for the transfer student, this course offers practice in organizing and writing essays, letters, reports, and research projects common to major study areas across the curriculum. Included in this course are brainstorming, editing, and workshopping activities based on student needs.

Foreign Languages • French (FREN)

FREN 141 T
Elementary French I
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0

Develops the four basic language skills of listening, speaking, reading, and writing simultaneously through a hearing-speaking approach.

FREN 142 T
Elementary French II
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: FREN 141 or equivalent

Continues the development of the four basic language skills with an emphasis on spontaneous self-expression.

FREN 201 T
Intermediate French I
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: FREN 142 or equivalent

Stresses oral and written usage through class discussion, composition work, and listening comprehension exercises.

FREN 202 T
Intermediate French II
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: FREN 201 or equivalent

Continues to stress oral and written usage through class discussion, composition work, and listening comprehension exercises.

FREN 211 T
Practice in French Conversation, Reading, & Writing I
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 2
PREREQUISITE: FREN 202 or equivalent

Allows students to continue building on their basic foundations in French. Students receive extensive practice in the skills of comprehension, speaking, reading, and writing. Emphasis is on vocabulary expansion, grammatical accuracy, and independent language usage. The variable credit enables students to adapt their continued study of French to their ability level and their academic schedule.

FREN 212 T
Practice in French Conversation, Reading & Writing II
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 2
PREREQUISITE: FREN 211 or equivalent

Continues to strengthen students' skills in comprehension, speaking, reading, and writing. An expansion of vocabulary and knowledge of a wider range of advanced grammatical structures are goals of this course. Variable credit allows students to adapt their continued study of French to their ability level and their academic schedule. A maximum of nine (9) credit hours may be earned in this course.

FREN 243 T
Advanced French Composition and Conversation
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: FREN 202 or equivalent

Reinforces oral and written composition work using readings on French culture and civilization.

Foreign Language • German (GERM)

GERM 151 T
Elementary German I
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0

Develops all basic language skills while placing special emphasis on speaking and writing simple, correct sentences.

GERM 152 T
Elementary German II
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: GERM 151 or equivalent

Continues the development of all basic language skills while placing special emphasis on reading comprehension and oral communication.

* See page 123 for an explanation of course data information categories.

GERM 201 T
Intermediate German I
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: GERM 152 or equivalent

Offers further study of present-day German culture and modern short stories. Basic language skills continue to be developed through class discussion, written and oral projects, and a grammar review.

GERM 202 T
Intermediate German II
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: GERM 201 or equivalent

Continues development of the basic language skills of comprehending, speaking, reading, and writing while concentrating on correctness and precision in these skills. This course continues to emphasize social, political, and economic issues of the German-speaking world.

GERM 211 T
Practice in German Conversation, Reading, & Writing I
*COURSE DATA: CREDITS: 3V • LECTURE: 3V • LAB: 0 • REPEAT: 2
PREREQUISITE: GERM 201 or equivalent

Allows students to continue building on their basic foundations in German. Students receive extensive practice in the skills of comprehension, speaking, reading, and writing. Emphasis is on vocabulary expansion, grammatical accuracy, and independent language usage. The variable credit enables students to adapt their continued study of German to their ability level and their academic schedule.

GERM 212 T
Practice in German Conversation, Reading & Writing II
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 2
PREREQUISITE: GERM 211 or equivalent

Continues to strengthen students' skills in comprehension, speaking, reading, and writing. An expansion of vocabulary and knowledge of a wider range of advanced grammatical structures are goals of this course. Variable credit allows students to adapt their continued study of German to their ability level and their academic schedule.

GERM 253 T
Advanced German Composition and Conversation
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: GERM 202 or equivalent.

Uses contemporary German literature and publications to provide the basis for an intense review of grammar and a series of comprehensive written and oral projects.

Foreign Language • Spanish (SPAN)

SPAN 155 T
Elementary Spanish I
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0

Emphasizes practice in pronunciation, elementary conversation, and drill of correct grammatical structure both in the classroom and in the language laboratory.

SPAN 156 T
Elementary Spanish II
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: SPAN 155 or equivalent

Includes additional practice in grammar and conversation, as well as an introduction to reading and writing Spanish.

SPAN 201 T
Intermediate Spanish I
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: SPAN 156 or equivalent

Includes practice in understanding, speaking, reading, and writing Spanish. Reading selections stimulate discussions and written compositions about contemporary topics. A grammar review is also included.

SPAN 202 T
Intermediate Spanish II
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: SPAN 201 or equivalent

Includes practice in understanding, speaking, reading and writing Spanish. Reading selections stimulate discussions and written compositions about contemporary topics. A grammar review is also included.

SPAN 211 T
Practice in Spanish Conversation, Reading, & Writing I
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 2
PREREQUISITE: SPAN 202 or equivalent

Allows students to continue building on their basic foundations in Spanish. Students receive extensive practice in the skills of comprehension, speaking, reading, and writing. Emphasis is on vocabulary expansion, grammatical accuracy, and independent language usage. The variable credit enables students to adapt their continued study of Spanish to their ability level and their academic schedule. A maximum of nine (9) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

SPAN 212 T
Practice in Spanish Conversation, Reading & Writing II

*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 2
PREREQUISITE: SPAN 211 or equivalent

Continues to strengthen students' skills in comprehension, speaking, reading, and writing. An expansion of vocabulary and knowledge of a wider range of advanced grammatical structures are goals of this course. Variable credit allows students to adapt their continued study of Spanish to their ability level and their academic schedule. A maximum of nine (9) credit hours may be earned in this course.

SPAN 257 T
Advanced Spanish Composition and Conversation

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: SPAN 202 or equivalent

Stresses intensive practice in Spanish conversation, involving both routine and advanced topics. Assigned oral projects review difficult structures of Spanish grammar.

Geography (GEOG)

GEOG 132 T
Regional Geography of the World

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies the relationship of human activities in the natural environment. Regional relationships are emphasized throughout. IAI Code: S4 900N

GEOG 232 T
Geography of Anglo-America

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies the geography of the United States and Canada. Special reference is made to physical and cultural features. Emphasis is placed upon the regional similarities and differences within Anglo-America.

GEOG 233 T
Economic Geography

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies the distributional variation on the earth's surface and in human activities related to producing, exchanging, and consuming wealth. Emphasis will be on the location of economic activities in terms of their relationship to physical and cultural elements. Consideration will also be given to historical events as they relate to the present site and situation of economic activity. IAI Code: S4 903N

Geology (GEOL)

GEOL 126 T
Geology

*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0

Investigates the processes that shape the surface of the earth: earthquakes, volcanoes, glaciers, streams, etc. Includes study of the rocks and minerals of the earth's crust. Lab work covers rock and mineral identification, geologic map interpretation, and two all-day field trips. IAI Code: P1 907L

GEOL 205
Regional Field Geology T

* COURSE DATA: CREDITS 2 LECTURE: 1 LAB: 2 REPEAT: 3

Allows students to investigate in detail the geology and natural history of a specific region. Course consists of 16 hours of lecture sessions followed by a 7 to 10 day excursion to a region of geologic interest. Regions investigated in a specific year will alternate between the Grand Canyon/Colorado Plateau area, Yellowstone National Park, the dinosaur fossil-bearing region of Eastern Montana, and other areas of geologic interest.

GEOL 236 T
Historical Geology

*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: GEOL 126 or consent of instructor

Investigates the geologic history of the earth and the methods that this history can be read from the rocks. This course includes investigation of the evolution of life as revealed by fossils, with particular emphasis on the Lower Paleozoic Era fossils common in this area. Two all-day field trips are required.

* See page 123 for an explanation of course data information categories.

History (HIST)

HIST 141 T
Western Civilization I

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Surveys the history of European civilization from the Renaissance to 1815 with emphasis on the development of modern political, diplomatic, social, economic, and intellectual institutions. Topics include the Renaissance, the Reformation, development of the nation-state system, international rivalry, growth of capitalism, and the French Revolution. IAI Code: S2 902

HIST 142 T
Western Civilization II

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Surveys the history of European civilization from 1815 to the present. In the 19th century, emphasis is placed on revolutionary movements, liberalism, the industrial revolution and its effects, main currents of thought, imperialism, national movements of unification, and the background leading to World War I. In the 20th century primary concerns are the two World Wars, the Russian Revolution, the Depression, the rise of Fascism, changing social and cultural patterns, and Europe's changing role since 1945. IAI Code: S2 903

HIST 143 T
U.S. History I

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

A survey of American history and the history of the United States to 1865. Topics include European colonial expansion in the Western Hemisphere; the contributions of European, Amer-Indian and African peoples in the New World; the rise of slavery; the American Revolution, the Constitutional Convention, the Jeffersonian and Jacksonian eras; Antebellum culture, Manifest Destiny, crisis of the Union, and the Civil War. HIST 143, 144, and 145 do not have to be taken in sequence and may be taken concurrently. IAI Codes: S2 900 and HST 911

HIST 144 T
U.S. History II

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

A survey of the United States history from 1865-1945. Topics include Reconstruction and the rise of segregation, the closing of the frontier, industrialization, urbanization, and immigration; American imperialism; the Populist and Progressive movements; the New Era of the 20s; the Great Depression and the New Deal; and the U.S. involvement in the two World Wars. HIST 143, 144, and 145 do not have to be taken in sequence and may be taken concurrently. IAI Codes: S2 901& HST 912

HIST 145 T
U.S. History III

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

A survey of United States history since 1945. Topics include the dominance of the U.S. as a political, military, and economic superpower, the Cold War, the suburbanization of the nation, the Civil Rights movement, the liberal reforms, cultural changes, and social upheavals of the turbulent Sixties, the Vietnam War, Watergate, the technological revolution, the economic and social problems of the last generation, and the conservative reaction of recent years. HIST 143, 144, and 145 do not have to be taken in sequence, and may be taken concurrently. IAI Code: HST 912

HIST 147 T
The Living Constitution

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Concerns the creation and development of the United States Constitution covering the Constitutional Convention, the founding fathers, the Bill of Rights, and other amendments. The 200-year evolution of this document and its modern-day application will be emphasized.

HIST 149 T
History of American Business

*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0

Surveys the history of the development of American business from European origins to the present.

HIST 231 T
The American Revolution

*COURSE DATA: CREDITS: 1 • LECTURE: 1 LAB: 0 REPEAT: 0

Analyzes the causes of the American Revolution and its effects on world history. Special emphasis is given to the individuals who played roles in the creation of the United States.

HIST 233 T
The American Civil War Era

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

A survey of the American Civil War Era (1848-1877). Topics include an examination of the "peculiar institution" of slavery, and the importance of racial thought in American society; the influence of growing economic, social, cultural, and political differences between the antebellum North and South which led to war; an analysis of the war itself in terms of its political, military, social, cultural, and economic aspects; a consideration of the legacy of the war; and an evaluation of the successes, failures, and legacy of the Reconstruction Era.

* See page 123 for an explanation of course data information categories.

HIST 236 T
Illinois History
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course surveys Illinois History from the earliest Indian civilizations to the present. The connection between events in Illinois and national history will be stressed. Local history will be emphasized.

HIST 239 T
Women in American History
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Surveys the roles played by women in American history, society's attitude toward women throughout American history, and the status of women in contemporary society.

HIST 241 T
The Contemporary World
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 0

Discusses the political, international, social, economic, and cultural environment of the contemporary world in a historical framework with a problems approach. Specific topics will vary from year to year.

HIST 242 T
History of England, 1603 to the Present
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Examines the economic, social, intellectual, and political development of the United Kingdom with emphasis placed on social and economic changes and the evolution of the parliamentary system. In addition, attention is directed to Britain's role as a world power and the development of the Empire-Commonwealth.

HIST 243 T
History of Africa
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Covers the history of Africa from ancient times to colonial times. The topics will include pre-history, development of societies and culture, the emergency of stabile agriculture, and commerce and trade routes. IAI Code: S2 906N

HIST 244 T
History of Africa II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Includes emergence of independent states, problems of social and economic transitions, inner conflicts, "freedom fighters," and apartheid, Africa in world affairs and modern Africa in revolution. IAI Code: S2 907N

HIST 245 T
History of the Middle East
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Examination of origin and development of major geographic, social, political, economic and religious forces which have contributed to the formation of major institutions in the Middle East from the European interests and Imperialism of the nineteenth century to modern times.

HIST 246 T
History in the Middle East II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Examines the origin and development of major geographic, social, political, economic, and religious forces that have contributed to the formation of major institutions in the Middle East from the European interests and imperialism of the nineteenth century to modern times. HIST 245 and HIST 246 do not have to be taken in sequence and may be taken concurrently.

HIST 247 T
African-American History I
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

African-American History I surveys the history of African descendents in our culture from the ancient origins of humanity (their origins in Africa) through the Reconstruction after the Civil War. Students will be introduced to the region in Africa where most of the slaves originated. They will review the primary reasons why the African Slave trade was established and which European nations, and African states were involved. The course will explore how slavery affected the growth of the American Colonies. The class will follow the lives of blacks through the war for Independence. The impact slavery had on the Industrial Revolution will be discussed. Emphasis will be placed on the economics, politics, and culture of the Antebellum South. Students will learn the major causes of the Civil War and understand how the War and Reconstruction changed America.

Home Economics (HMEC)

HMEC 225 T
Consumer Economics
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Investigates the financial decision-making process confronted by all consumers. Elevates the competence of the consumer in the wise use of personal resources. Topics covered include money management, budgeting, consumer credit and banking facilities, investments, savings, insurance, securities, real estate, wills and trusts, federal and state income taxes, and consumer ethics.

* See page 123 for an explanation of course data information categories.

Horticulture (HORT)

HORT 161 O
Lawn and Turfgrass Culture and Management
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces the student to lawn management. Emphasis is placed on grass characteristics, soil, water, fertilizer requirement, and weed, disease, and insect problems.

HORT 163 O
Indoor and Outdoor Gardening Techniques
*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0

Studies the identification, culture, disease and pest control, and propagation of foliage plants, as well as vegetables, annuals, perennials, and bulbs.

HORT 164 O
Landscape Planning
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies the theory and principles of landscape design as they are applied to selected problems in landscape development. The use of trees, shrubs, and planting in the public, living, and service area of the home will be included.

HORT 166 O
Ornamental Trees and Shrubs
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies the cultural practices required for the growth of woody trees and shrubs. Also included will be plant suitability, pruning techniques, disease, and insect problems.

HORT 167 O
Ornamental Foliage and Flowering Plants
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces the student to the study of garden and house flowering and foliage plants. Topics will include production, culture, propagations, and materials necessary for the growth of annuals, perennials, bulbs, ground cover, ferns, exotic and tropical plants, shrubs, and roses.

HORT 168 O
Floral Design I
*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0

Introduces the student to design theory. Emphasis is given to the development of special techniques in basic design as it applies to flowers, foliages, and accessories.

Humanities (HUMA)

HUMA 104 T
Introduction to Humanities
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Emphasizes the foundations of the humanistic tradition by pursuing a study of the dynamic cultures that have exercised significant influence upon the western civilization in particular and upon the world in general. This course will concentrate on prehistory, the era of early civilization, Greek/Roman, and western culture from seventeenth century to present. IAI Code: HF 900

HUMA 105 T
The Arts in Contemporary Society
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies fine arts in the United States today. This course is recommended for all students. Guest speakers will be brought on campus to highlight the course. The student will attend concerts, plays, and art exhibits, in addition to class work.

HUMA 106 T
Introduction to Humanities II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course is a survey of the humanistic tradition from the age of the Baroque (1600) to present day. The study examines literature, art, and cultural traditions to gain an understanding of foundations and influences that have shaped Western viewpoint in particular and world viewpoint in general.

Independent Study (INST)

INST 100 T
Independent Study
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 0

Provides an opportunity for specialized study not available in regular course offerings. Independent Study 100 may be taken in addition to regular courses. A proposal for this course must be submitted by the student to the Dean of the division involved for approval.

INST 200 T
Independent Study
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 0

Provides an opportunity for specialized study not available in regular course offerings. Independent Study 200 may be taken in addition to regular courses. A proposal for this course must be submitted by the student to the Dean of the division involved for approval.

* See page 123 for an explanation of course data information categories.

Information Technology (INFT)

INFT 105 O
Basic Keyboarding

COURSE DATA: CREDITS: 2V • LECTURE: 2 • LAB: 0 • REPEAT: 0
** Offered in the Office Technology Lab where class time and learning pace are set by the individual student.

Develops efficient techniques in operating a standard keyboard. The keyboarding techniques will focus on the alphabet, numbers, symbols, and the 10-key numeric pad. This course is designed for non-secretarial students interested in learning the keyboard for the efficient operation of a computer terminal.

INFT 110 O
Introduction to Personal Computing

*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Designed for those with little or no previous computer experience. Provides an overview of computers, including terminology, operating a computer in the Windows environment, becoming acquainted with word processing, spreadsheets, and e-mail capabilities.

INFT 115 O
Introduction to the World Wide Web

COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 110 or consent of instructor or student meets computer background criteria.
**Offered in the Office Technology Lab where class time and learning pace are set by the individual student.

Teaches students to browse a variety of Web sites. A maximum of two (2) credit hours may be earned in this course.

INFT 122 O
Introduction to Windows

*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 110 or consent of instructor or student meets computer background criteria.
** Offered in the Office Technology Lab where class time and the learning pace are set by the individual student.

Teaches students to master the basics of the Windows software. Students will learn how to work with Windows programs, manage files using My Computer, manage folders and files using Windows Explorer, customize Windows, explore the Internet, work with Web pages, create a docucentric desktop, and share information between programs. A maximum of two (2) credit hours may be earned in this course.

INFT 131 O
Beginning Microsoft Word

*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 105 or OFFT 151 or consent of instructor
** Offered in the Office Technology Lab where class time and the learning pace are set by the individual student.

A "hands-on" word processing course that reinforces basic Microsoft Word functions including creating a document, editing, and formatting a document, creating and editing styles, creating a multiple-page report, and using desktop publishing features to create a newsletter. A maximum of two (2) credit hours may be earned in this course.

INFT 132 O
Intermediate Microsoft Word

*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 131 or Expert MOUS certification
** Offered in the Office Technology Lab where class time and the learning pace are set by the individual student.

A "hands-on" word processing course that teaches Microsoft Word functions including outlines, styles, and tables of contents; creating form letters and mailing labels; and integrating Word with other programs and with the World Wide Web. A maximum of two (2) credit hours may be earned in this course.

INFT 133 O
Advanced Microsoft Word

*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 132 or Expert MOUS certification
** Offered in the Office Technology Lab where class time and the learning pace are set by the individual student.

A "hands-on" word processing course that teaches advanced Microsoft Word functions including customization of Word and automation, creating on-screen forms, and managing long documents. A maximum of two (2) credit hours may be earned in this course.

INFT 135 O
PowerPoint

*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 110 or consent of instructor

Introduces students to PowerPoint, Microsoft's presentation graphics software package. A maximum of two (2) credit hours may be earned in this course.

INFT 137 O
Desktop Publishing

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 1
PREREQUISITE: OFFT 151 or equivalent and INFT 131 or consent of instructor

Teaches students to produce professional publications on the computer. Basic desktop publishing and design procedures will teach students to mix text and graphics on documents. A maximum of six (6) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

INFT 140 O
Beginning Excel
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 105, or consent of instructor

Provides an introduction to the basic spreadsheet topics, including design, formulas, functions, charting, and managing lists of data. A maximum of two (2) credit hours may be earned in this course.

INFT 142 O
Advanced Excel
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 140 or consent of instructor

Introduction to macros, working with multiple worksheets, look-up tables, data tables, queries, pivot tables, and advanced techniques to solve problems with spreadsheets. A maximum of two (2) credit hours may be earned in this course.

INFT 145 O
Beginning Access
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0
PREREQUISITE: INFT 105 or consent of instructor

Provides an introduction to database management using a relational database software package. The topics of creating a database, storing, sorting, and retrieving data, and creating forms and reports will be covered. Students will learn the basics of queries including developing criteria, sorting, performing calculations, joining tables, and using parameters.

INFT 147 O
Advanced Access
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0
PREREQUISITE: INFT 145

Introduces macros, advanced reports and queries, and Visual BASIC code as it relates to a database.

INFT 150 O
Microsoft Office Integration
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: INFT 140, INFT 145, INFT 131 and INFT 135 or consent of instructor

This course is designed for students with Microsoft Office experience. Students will learn how to combine information by integrating data from multiple programs. Students will learn how to import, export, link, and embed while using Word, PowerPoint, Excel, and Access. A maximum of two (2) credit hours may be earned in this course.

INFT 160 O
Digital Pictures and Sound
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 2

An introductory course for multimedia skills for desktop publishing, PowerPoint, the web or for other personal uses. The student will be exposed to the development and application of four elements of multimedia: text, graphics, sound and video. A variety of programs are used to explore the components especially as they relate to interactivity. Adobe PhotoShop Elements is used to edit images.

INFT 180 O
Introduction to Information Systems
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: INFT 105 or consent of instructor

Provides an introductory survey of computer systems, MIS terminology, business computer applications, and programming concepts. The Internet, as well as, word processing, spreadsheet, data management, and presentation software is introduced and used in a microcomputer environment. IAI Codes: BUS 902 and CS 910

INFT 182 O
Microcomputer Hardware
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 2
PREREQUISITE: INFT 180 or consent of instructor

Introduces the student to DOS hardware operation and techniques of hardware systems analysis, troubleshooting, and repair. A maximum of nine (9) credit hours may be earned in this class.

INFT 185 O
Visual BASIC
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: INFT 190 or 191

Introduces students to computer programming using Visual BASIC. Students write and execute a wide variety of programs with emphasis placed on proper program design.

INFT 190 T
Principles of Computer Science I
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 166 or consent of instructor

Introduces students to computers and computer programming. Students will develop problem solving and programming skills while emphasizing structured design. The high level language C++ will be used. This is a required course for computer science majors. IAI Code: CS 911

* See page 123 for an explanation of course data information categories.

INFT 191 O
Introduction to Programming
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 162 or consent of instructor

This course will introduce students to computers and computer programming. Students will develop problem-solving and programming skills while emphasizing structured design. The language C++ will be used.

INFT 202 O
Web Programming
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: INFT 190

Presents the basics of web programming. Focus is on programming with HTML, but will include summaries of other Internet programming languages, such as JavaScript, XML, and Visual BASIC Script. Web design tools will be introduced.

INFT 204 O
Digital Design & Image Editing
*COURSE DATA: CREDITS: 3 • LECTURE: 0 • LAB: 6 • REPEAT: 1
PREREQUISITE: INFT 160 or consent of instructor

Students will become proficient in the use of software tools to create 2 and 3 dimensional illustrations, edit files, and salvage damaged images. Students also will build website interfaces

INFT 210 O
COBOL
*COURSE DATA: CREDITS: 5 • LECTURE: 5 • LAB: 0 • REPEAT: 0
PREREQUISITE: INFT 190

Introduces students to structured programming in COBOL, the most widely used business programming language. The course is taught in a network environment using on-line program development. Report generating, level break processing, table processing, and editing are the main topics covered. IAI Code: CS 013

INFT 260 O
Computer Animation and Interactivity
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: One course in Programming (INFT 185, 190, 202 or equivalent)

This course will introduce the student to animation programming in Macromedia Flash as well as show them how to use the majority of the features of this application to provide animated and interactive content to be used on the World Wide Web and in other deliveries

INFT 282 O
A+ Certification
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: INFT 182

This course prepares the student in computer technical support to install, upgrade, or repair microcomputers and peripheral devices. The course competencies prepare the student of the computer industry's A+ certification examination.

INFT 284 O
Network+ Certification
*COURSE DATA: CREDITS: CREDITS: 3 LECTURE: 2 LAB: 2 REPEAT: 2
PREREQUISITE: INFT182

The course prepares the student for the computer industry's Network+ certification examination and offers preliminary work toward the Server+ certification. Technical abilities include media and topologies, protocols and standards, network implementation, and network support, as well as, wireless networking and gigabit Ethernet

INFT 290 T
Principles of Computer Science II/Data Structures
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: INFT 190

Introduces students to the relationships among the elements of data involved in problem solving, structures of storage media and machines, methods useful in representing structured data in storage, and techniques for operating on data structures. Techniques of algorithm development and good programming style are emphasized. The language is a continuation of INFT 190. IAI Code: CS 912

INFT 295 O
Special Topics
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 3
PREREQUISITE: INFT 210 or consent of instructor

Exposes the student to the latest developments and concepts in Information Processing Systems and to the various problems encountered by information technology professionals. A maximum of sixteen (16) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

Information Technology Healthcare (ITHC)

**Courses marked with a double asterisk are delivered in Highland's individualized Office Technology Lab. This lab is staffed at all times with an instructor to assist students with course work. Students are able to proceed through courses at their own rate and at times that are convenient to both the traditional student and to the person wishing to train for a new field or to upgrade his/her skills.

**ITHC 101 O
Basic Medical Terminology I

*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

This course covers basic medical terminology for students planning to enter medical office occupations. Provides a working knowledge of medical abbreviations and common drugs. Emphasizes prefixes, suffixes and root words and how they are combined in medical terms while stressing spelling, definition, usage and pronunciation.

**ITHC 102 O
Basic Medical Terminology II

*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: ITHC 101

Students will build on the fundamentals of Medical Terminology I covering a continuation of basic medical terminology for students planning to enter medical office occupations.

**ITHC 103 O
Basic Medical Terminology III

*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: ITHC 102

Students will build on the fundamentals of Medical Terminology I and II. The course is designed to develop understanding of the terms related to anatomical systems, looking at both structure and function. A continuation of basic medical terminology for students planning to enter medical office occupations.

**ITHC 155 O
Medical Transcription

*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 1
PREREQUISITE: OFFT 151 and 163; ITHC 101, 102, 103 or NURS 100, 101, 102 or concurrent enrollment;

Introduces the student to medical transcription, emphasizing medical terminology and procedures by keying various medical forms and reports from sound files.

**ITHC 157 O
Advanced Medical Transcription

*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 1
PREREQUISITE: ITHC 155

Emphasizes medical terminology. Lessons will contain realistic medical dictation with foreign voices and background noises.

ITHC 201 O
Medical Coding

*COURSE DATA: CREDITS: 8 • LECTURE: 3 • LAB: 10 • REPEAT: 1
PREREQUISITE: BIOL 120 or ITHC 220; ITHC 101, 102, 103

Prepares the student to become certified as a Medical Coder. The student will learn to accurately assign correct procedure codes (CPT), diagnosis codes (ICD-9-CM), HCPCS coding (supplies and injectables) while focusing on HIPAA, OIG, and Medicare compliance.

ITHC 205 O
Advanced Medical Coding - Hospital

*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 1
PREREQUISITE: ITHC 201

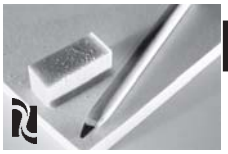
Prepares the student to become certified as a Medical Coder-Hospital. The student will learn to accurately assign correct hospital procedure codes, diagnosis codes, HCPCS coding while focusing on HIPAA, OIG, and Medicare compliance.

ITHC 220 O
Anatomy for Information Technology

*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 1
PREREQUISITE: ITHC 101

This course includes a detailed study of the structure and the function of the human body. The integumentary, skeletal, muscle, and nervous systems are studied down to the cellular and molecular levels. Integrated group work using models and internet based approach to illustrate the function and structure of human anatomy.

* See page 123 for an explanation of course data information categories.



Journalism (JOUR)

JOUR 131 T
Journalism Practicum

*COURSE DATA: CREDITS: 3V • LECTURE: 0 • LAB: 15 • REPEAT: 0

Is a course in applied journalism practices. The student will participate in the preparation and production of the HCC student newspaper, including assignments in copy writing, news and feature writing/ reporting, layout, editing, headline writing, ad sales and preparation.

JOUR 231 T
News Reporting and Writing I

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or concurrent enrollment

Provides a general perspective of journalism by studying feature stores, propaganda, editorials, columns, advertising, careers in journalism, yearbook layout, sports stories, and continuous growth in the use of first semester topics. Students are expected to participate in production of school publications.

JOUR 232 T
News Reporting and Writing II

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: JOUR 231

Provides a continued perspective of journalism by studying feature stories, propaganda, editorials, columns, advertising, careers in journalism, yearbook layout, sports stories, and continuous growth in the use of first semester topics. Students are expected to participate in production of school publications.

Mathematics (MATH)

MATH 061 D
Arithmetic Skills

*COURSE DATA: CREDITS: 4 V • LECTURE: 4 • LAB: 0 • REPEAT: 3

One of the courses offered in the HCC Traditional Math Lab and in the Computer Math Lab. The basic format is self-instruction through the medium of programmed self-teaching text, computer software, and with the help of qualified instructors as tutors. The course includes the study of whole numbers, fractions, decimal numbers, and percent, ratio, and proportions. It does not meet Highland requirements for graduation and is not transferable**.** A maximum of sixteen (16) credit hours may be earned in this course.

MATH 062 D
Plane Geometry

*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 3
PREREQUISITE: MATH 065 or placement beyond MATH 065

Includes the study of angles, triangles, polygons, quadrilaterals, circles, transformations, parallel and perpendicular lines, computation of areas, and geometric proofs. Course makes use of the CAI Geometry series by Plato Educational Courseware. This developmental course is equivalent to a one-year high school geometry course.

MATH 063 D
Elements of Basic Algebra I

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 3
PREREQUISITE: MATH 061 or placement into MATH 065 or consent of instructor

Provides the first semester of a two-semester sequence of beginning algebra. It is designed to provide students who lack a background in algebra extended time and instruction to enable them to master the concepts that are required to progress to MATH 064. Students who complete MATH 063 and MATH 064 will meet the prerequisite requirement for MATH 162. A maximum of twelve (12) credit hours may be earned in this course.

MATH 064 D
Elements of Basic Algebra II

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 3
PREREQUISITE: MATH 063 or consent of instructor

This course is the second semester of a two-semester sequence of beginning algebra. It is designed to provide students who lack a background in algebra extended time and instruction to enable them to master the concepts that are required to progress to MATH 162. Students who complete MATH 063 and MATH 064 will meet the prerequisite requirement for MATH 162. A maximum of twelve (12) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

MATH 065 D
Basic Algebra

*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 3
PREREQUISITE: MATH 061 or placement into MATH 065

One of the courses offered as a lecture course or in the HCC Traditional Math Lab or in the Computer Math Lab. The basic format is self-instruction through the medium of a programmed self-teaching text, computer software and with the help of qualified instructors as tutors. The course is a beginning algebra course with some review of arithmetic. It does not meet Highland requirements for graduation and is not transferable. A maximum of sixteen (16) credit hours may be earned in this course.

MATH 111 V
Technical Mathematics I

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 061 or placement into MATH 065

Includes a study of numbers, measurements, algebra, geometry, and trigonometry as it relates to mechanical devices and equipment. This is a specially designed course for students in fields such as Machine Processes, Industrial Technology, Welding, and Mechanics.

MATH 162 D
Intermediate Algebra

*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 3
PREREQUISITE: MATH 065 or placement into MATH 162

Is a systematic presentation of the basic topics of algebra at an intermediate level. Topics include number systems, polynomials and factoring, exponents, roots and radicals, inequalities and graphing, linear and basic non-linear equations. A maximum of sixteen (16) credit hours may be earned in this course.

MATH 164 T
Mathematics for Elementary Teachers I

*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 162 or placement beyond MATH 162 and one year high school geometry or MATH 062

Provides the basic theory that underlies the mathematical topics in elementary math-curricula and emphasizes mathematical reasoning and problem solving. Topics covered include problem solving, set theory, number systems, number theory, operations in the various number systems, ratios, percents, and variation.

MATH 165 T
Quantitative Literacy in Mathematics

*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 162 or placement beyond MATH 162 and one year high school geometry or MATH 062

Designed primarily as a terminal course in mathematics for students who do not plan to pursue a science curriculum. The course satisfies the General Education Math requirement. The topics selected for the course include elementary logic, probability and statistics, geometry, estimation, personal finance, and problem-solving methods. The computer and graphing calculator will be used as problem-solving tools.
IAI Code: M1 901

MATH 166 T
College Algebra

*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 162 or placement into MATH 166 and one year high school geometry or MATH 062

Reviews the fundamental operations of algebra followed by a study of equations involving quadratics, complex numbers, relations, functions and transformations, matrices, determinants, exponential and logarithmic functions, and series and sequences.

MATH 167 T
Plane Trigonometry

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 166

Includes the study of trigonomic functions, right triangle applications, functions of multiple angles, trigonometric equations and identities, radian measure, inverse functions, the oblique triangle, and graphs.

MATH 168 T
Analytic Geometry and Calculus I

*COURSE DATA: CREDITS: 5 • LECTURE: 5 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 167

Analytic Geometry and Calculus I is the first of a three-semester sequence giving an integrated treatment of analytic geometry, and differential and integral calculus. The first semester includes analytic geometry of lines and circles; functions and inverse functions; limits of functions; continuity; derivatives; the techniques of differentiation; implicit differentiation; higher derivatives; application of differentiation to graphing; motion; maxima/minima problems, indefinite and definite integrals; and calculation of area using integral calculus.
IAI Codes: M1 900, EGR 901and MTH 901

* See page 123 for an explanation of course data information categories.

MATH 171 T
Finite Mathematics

*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 166

Introduces finite mathematics for the student in business or social science. Topics covered include: properties of real numbers, functions, their graphs, systems of equations, basic matrix theory, matrix operations, determinants, Gaussian elimination, linear programming, tableaux transformation, simplex (max•min) algorithms, counting methods, probability and Baye's theorem. Business and social science applications are emphasized. IAI Code: M1 906

MATH 172 T
Calculus for Business and Social Science

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 166

Introduces calculus to the student in business or social science. Topics covered include: function, limits, differential calculus, differentiation rules, continuity, logarithmic and exponential differentiation, integral calculus, techniques of integration, and definite integrals. Business and Social Science applications are emphasized. IAI Code: M1 900

MATH 174 T
Math for Elementary Teachers II

*COURSE DATA: CREDITS 3 LECTURE 3 LAB 0 REPEAT: 0
PREREQUISITE: Grade of "C" or better in MATH 164

The second semester of the two-semester sequence for prospective elementary teachers. Topics covered include an introduction to probability and statistics, geometry, measurement of plane and space figures, constructions, congruence and similarity mappings, and measurement including perimeter, area, volume, and surface area. IAI Code: M1 903

MATH 177 T
Statistics

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 162 and one year high school geometry or MATH 062

Provides the background necessary for the student to understand the wide range of statistical concepts encountered and used in daily life. Topics covered include: measurement of central tendency, variability, graphical representations of data, distributions, probability, sampling, hypothesis testing, linear regression, and correlation. This class is also offered in an online format. See the current class schedule. IAI Code: M1 902

MATH 262 T
C Programming for the Sciences and Engineering

*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 168

Explores C programming language for math, science and engineering students. A thorough study of C syntax, structured programming, algorithm development, and problem solving that is covered in the course. Programming applications include temperature conversion, finding roots of a quadratic equation, Euclid's algorithm for greatest common factor and least common multiple, finding roots of a polynomial using the Newton/Raphson Method, matrix operations, descriptive statistics, Monte Carlo simulation of an electric circuit, permutations and combinations using recursion, and a data base application.

MATH 265 T
Differential Equations

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 268

Studies equations of the first order and degree, linear differential equations, operational methods, special types of higher order equations, series solutions, and applications of differential equations. IAI Codes: EGR 904 and MTH 912

MATH 266 T
Mechanics (Statics and Dynamics)

*COURSE DATA: CREDITS: 5 • LECTURE: 5 • LAB: 0 • REPEAT: 0
PREREQUISITE: PHYS 141 or 143 and MATH 168 or concurrent enrollment

Places emphasis on the understanding of principles through the solution of problems in analysis of vectors, torques, trusses, resultants, machines, force systems, centroids and center gravity, equilibrium, and friction. Also focuses on understanding bodies in motion involving Newton's laws, kinematics, and kinetics for particles as well as rigid bodies, static moment of inertia, work, energy, and space mechanics. IAI Code: EGR 944

MATH 268 T
Analytic Geometry and Calculus II

*COURSE DATA: CREDITS: 5 • LECTURE: 5 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 168

This course covers topics that include applications of the integral to areas and volumes, length of a plane curve and area of surface of revolution, an introduction to hyperbolic functions, a review of logarithmic and exponential functions, derivatives and integrals of logarithmic and exponential, inverse trigonometric functions, techniques of integration, an introduction to differential equations, improper integrals, L'Hopital's rule, sequences and series, convergence tests of series, power series, and Taylor series. IAI Codes: M1 900, EGR 902 and MTH 902

* See page 123 for an explanation of course data information categories.

MATH 269 T
Analytic Geometry and Calculus III
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in MATH 268

Topics covered include analytic geometry, translation and rotation of axes, polar equations, parametric equations, vectors in a plane, dot products and cross products in 3-space, curves and planes in 3-space, quadric surfaces, spherical and cylindrical coordinates, vector-valued functions, unit tangent and normal vectors, curvature, partial derivatives, directional derivatives and gradient, extrema of functions in two variables and double and triple integrals in rectangular, polar, cylindrical and spherical coordinates. (Time permitting, line integrals, Green's theorem, surface integrals of vector fields, and Stokes' Theorem will be studied.) IAI Code: M1 900, EGR 903 and MTH 902

MATH 270 T
Linear Algebra
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 268

Introduces the student to the study of linear systems, algebra and geometry of vectors, matrices, vector spaces, determinants, eigenvalues and eigenvectors, linear transformations, and quadratic forms.

Mechanical Technology (MTEC)

MTEC 101 O
Introduction to Geometric Dimensioning & Tolerancing
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0

Acquaints the students with the means of specifying engineering design and drawing requirements with respect to function and relationship of part features. Topics include symbology, datums, forms, run-outs, true position, and location tolerancing.

MTEC 110 O
Geometric Dimensioning and Tolerancing
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Placement into Math 065 or consent of instructor

Discusses proper interpretation and specification of G D & T symbols and rules as they relate to design intent, machining, and inspection. Topics include geometric characteristics, G D & T rules, datums, modifiers, floating fasteners, fixed fasteners, virtual condition, and zero-position tolerance.

MTEC 125
Certified Manufacturing Assistant
*COURSE DATA: CREDITS: 6 • LECTURE: 2 • LAB: 4 • REPEAT: 0
PREREQUISITE: Satisfactory placement on the college's reading and math placement tests.

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.

MTEC 151 O
Machine Processes I
*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: DRAF 110

Surveys the CNC turning and milling areas of metalworking processes. Designed to provide both academic and laboratory understanding of fundamental principles of material removal using CNC equipment. Topics include: terminology, speeds, feeds, depth of cut, tooling selection, tooling setup, machine controls, offsets, work holding, G and M codes, program origin, part program troubleshooting, and Cartesian coordinate system.

MTEC 164 O
Manufacturing Processes
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Develops a fundamental understanding of the processes used in manufacturing products, machines, and structures. The course covers such areas as heat treatment practices, casting and forming metallic materials, machining systems, welding and allied operations, and techniques related to manufacturing. The requirements of this course may be met by an approved supervised work experience.

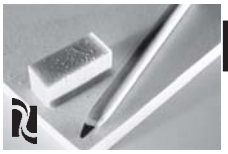
MTEC 210 O
Fluid Power Systems I
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: ELET 179 and INFT 180 or consent of instructor

Introduces students to fluid power components, circuits, and applications through the study of pneumatics. Students will study, design, construct, and operate pneumatic circuits using valves, cylinders and pneumatic control devices, and solve problems related to industrial fluid power applications.

MTEC 220 O
Motors and Controls
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: ELET 179

Introduces students to the operation of AC/DC motors and motor control circuits. Topics to be addressed include the theory of operation for AC, DC, stepper, and other types of motors, motor starters and protection devices, and motor control circuits.

* See page 123 for an explanation of course data information categories.



MTEC 240 O
Building Systems

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: DRAF 111 or concurrent enrollment

Studies the basic construction materials and methods used in residential and light commercial projects. Students will examine building systems by studying the architectural, mechanical, and structural components.

MTEC 245 O
Construction Estimating I

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: DRAF 111 and MATH 111

Students learn the fundamental principles of construction estimating. This course stresses the organization of the estimate, the procedure of estimating costs in the different divisions of the project, and the method of determining the critical quantities of materials obtained from a set of prints.

MTEC 261 O
Hydraulics & Pneumatics

*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 4 • REPEAT: 1

Overview of physical principles of power transmission by mechanical, hydraulic, and pneumatic techniques. Includes units of measure, operations, maintenance, and drive systems.

MTEC 264 O
Statics and Strength of Materials

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0:
PREREQUISITE: Math 111

Studies bodies at rest and the ability of materials and individual parts to resist loads. The following materials will be stressed: resultant and equilibrate of forces, moments, various force combinations, friction, simple stresses, properties of materials, riveted and welded joints, centroids, moments of inertia, beams, key, columns, and indeterminate beams.

MTEC 270 O
CNC Mill I

*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: INFT 110 and MATH 111 or equivalent, and MTEC 151

Introduces the computer as an important tool in directing mill-cutting operations. Conversion of dimensioned drawings into X, Y, and Z coordinates will be stressed. From this, ISO standard format G and M code language will be used (via off-line editing) to create and edit programs. These programs will be used as a basis for machine set up, multiple tool offsets, dry run evaluations, and part production.

MTEC 280 O
CNC Lathe I

*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: INFT 110 and MATH 111 or equivalent, and MTEC 151

Introduces the computer as an important tool in directing lathe-cutting operations. Conversion of dimensioned drawings into X and Z coordinates will be stressed. From this, ISO standard format G and M code language will be used (via off-line editing) to create and edit programs. These programs will be used as a basis for machine set up, multiple tool offsets, dry run evaluations, and part production.

MTEC 282 O
Computer Aided Manufacturing (CAM) I

*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 1
PREREQUISITE: MTEC 270 and MTEC 280

Students design typical 2D CNC manufactured parts using computer-aided drafting techniques. The designs are converted into tool paths and finally machined into parts. Tooling, raw materials, and cutting parameters are reviewed and selected for each application. A maximum of six (6) credit hours may be earned in this course.

MTEC 284 O
Computer Aided Manufacturing (CAM) II

*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 1
PREREQUISITE: MTEC 282 and DRAF 260

Students develop skills constructing 2D and 3D CAD part geometry. Advanced tooling and machining operations are performed using 3D techniques. Solid model vertification and machining are utilized in mold making and multi-surface 3D machining. Interfacing with industrial CAD systems and CNCs are required in the automated manufacturing of parts. A maximum of six (6) credit hours may be earned in this course.

MTEC 290 O
Automation Seminar

*COURSE DATA: CREDITS: 4 • LECTURE: 2 • LAB: 4 • REPEAT: 1
PREREQUISITE: Completion of 21 credit hours of technical coursework and consent of manufacturing program faculty.

Provides manufacturing students with the opportunity to apply their knowledge and skills in solving one or more manufacturing problems. Students will work as a team to develop and evaluate alternative solutions to given problems. Students will also design, construct, program, troubleshoot, and refine their solutions into working models that will reflect their ability to meet challenges in a manufacturing environment. A maximum of eight (8) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

Music (MUS)

MUS 150 T
Fundamentals of Music
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Covers musical notation, scales, intervals, sight singing, and fundamental piano skills. Recommended for music majors (judged deficient in fundamentals) and other interested students.

MUS 157 T
Class Guitar I
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

Introduces the students to the fundamentals of playing the guitar. Emphasis is placed on chord progressions, reading chord symbols, left and right hand technique, and playing by ear. Literature will include folk, pop, traditional, and contemporary genres. No previous guitar experience is necessary.

MUS 160 T
Musicianship for the Elementary Teacher
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Teaches basic music skills to the elementary school teacher or elementary education student. The student will gain a working knowledge of keyboard skills along with the fundamentals of music.

MUS 161 T
Theory I
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: Entrance exam or consent of instructor. Completion or concurrent enrollment of MUS 177.

Introduction to the elements of music: rhythm, melody, and harmony. The student will begin study of the harmonic language of the Baroque and Early Classical period, with special attention paid to the music of J.S. Bach. Covers harmonic concepts up to and including the dominant seventh chord and on-harmonic tones. IAI Code: MUS 901

MUS 162 T
Theory II
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: MUS 161 and completion of or concurrent enrollment in MUS 178 or consent of instructor

Continuation of Theory I with emphasis on concepts of harmonic progression and voice leading in four-part writing of the Baroque and Classical periods. Covers harmonic concepts up to and including diatonic common chord modulation and the use of secondary dominants. IAI Code: MUS 902

MUS 167 T
Class Voice I
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

This class considers fundamentals of vocal production and musicianship. It covers technical production of sound in general, as well as the study of diction. This course is open to all students interested in singing. All freshman vocal music majors should enroll in this course. Students of advanced ability may proficiency.

MUS 169 T
Vocal Ensemble I – Royal Scots
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3
PREREQUISITE: Audition: Approval of Instructor

The "Royal Scots" vocal jazz choir is open to all students by audition who have a proficiency and interest in choral music; the choir considers a full range of pop and jazz vocal literature. The group performs several times on campus each semester in addition to performances for other civic and community functions. This course satisfies the organizational participation required of all music majors. IAI Code: MUS 908

MUS 170 T
Vocal Ensemble II – Royal Scots
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 2
PREREQUISITE: Audition: Approval of Instructor

The "Royal Scots" vocal jazz choir is open to all students by audition who have a proficiency and interest in choral music; the choir considers a full range of pop and jazz vocal literature. The group performs several times on campus each semester in addition to performances for other civic and community functions. This course satisfies the organizational participation required of all music majors.

MUS 171 T
Applied Music I, II, III, IV (Major)
*COURSE DATA: CREDITS: 2 • LECTURE: 0 • LAB: 4 • REPEAT: 3
PREREQUISITE: Instructor's consent

Provides a two-year sequence of individual study in a major performance area. Required courses for all music majors in the following areas: voice, piano, organ, strings, and all band instruments. The course is open to all students wishing to continue the study of the above musical fields upon the consent of the instructor. IAI Code: MUS 909

* See page 123 for an explanation of course data information categories.

MUS 172 **T**
Applied Music I, II, III, IV (Minor)
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3

Provides a two-year sequence of individual study in a minor performance area. Required courses for all music majors in the following areas: voice, piano, organ, strings, and all band instruments. (Class Piano may be taken as the Applied Music Minor.) The course is open to all students wishing to continue the study of the above musical fields upon the consent of the instructor.

MUS 173 **T**
Instrumental Music – Brass Ensemble
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3
PREREQUISITE: 2 years formal music training

Performs a wide variety of instrumental music. Open to all students with a proficiency and interest in instrumental music. The course is required of all instrumental music majors. Students are required to take part in all public performances by the organization.

MUS 174 **T**
Chamber Jazz Ensemble
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3
PREREQUISITE: Audition or consent of instructor

Fosters the development of improvisational skills in a combo setting. Special attention will be given to listening skills necessary for small-group interaction.

MUS 175 **T**
Concert Choir
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3
PREREQUISITE: Consent of the instructor.

The Collegiate Choir is open to all students who have a proficiency and interest in choral music; the chorus considers a full range of vocal literature. Students are required to take part in public performances. This course satisfies the organizational participation required of all music majors. IAI Code: MUS 908

MUS 177 **T**
Class Piano I
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

This is an introductory course in learning to play the piano for students with little or no background in music or the piano. Emphasis is placed on chord progressions, reading chord symbols, basic left hand patterns, sight reading, keyboard theory and traditional repertoire. IAI Code: MUS 901

MUS 178 **T**
Class Piano II
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0
PREREQUISITE: MUS 177 or consent of instructor

Continues the ideas of Music 177. The repertoire will be more difficult and more emphasis will be placed on the practical use of the piano for the future teacher/performer. Duets, trios and small group playing will augment the solo literature. IAI Code: MUS 902

MUS 179 **T**
Concert Band
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3
PREREQUISITE: Previous experience or director's approval

This course is open to all college students who wish to participate. This group will perform music literature that appropriately fits the group.

MUS 180 **T**
Pep Band
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3
PREREQUISITE: Past instrumental experience and director's approval

Includes preparation and performance of a variety of music designed for creative excitement at basketball games.

MUS 181 **T**
Orchestra
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3
PREREQUISITE: Previous experience or consent of instructor

This course is open to all students wishing to develop skills in an orchestra form.

MUS 182 **T**
Large Jazz Ensemble
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3
PREREQUISITE: Audition or consent of instructor

A class devoted to the performance of a variety of jazz and related literature from the 20th century comprised or arranged for big-band type instrumentation. Enrollment may be limited by instrumental requirements. IAI Code: MUS 908

MUS 185 **T**
Jazz Improvisation I
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 1
PREREQUISITE: Three years prior musical experience or instructor approval.

An introduction to the skill of improvising in a musical setting. Emphasis on creativity with melodic and rhythmic material. Introduction to the language and nomenclature of jazz. Open to all wind, percussion, string, and vocal performers.

* See page 123 for an explanation of course data information categories.

MUS 261 T
Theory III

*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: MUS 161, 162

This course is a continuation of materials learned in Music Theory I and II. Subject areas include compositional techniques of the 17th, 18th and 19th centuries, chromatic resources and elements of form and analysis. IAI Code: MUS 903

MUS 262 T
Theory IV

*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: MUS 161, 162, 261

This course is a continuation of materials learned in Music Theory I, II and III. Subject areas include compositional techniques of the 19th and 20th centuries, extended chromatic resources and form and analysis. IAI Code: MUS 904

MUS 267 T
Introduction to Music

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces elements of music, after which the chronological development of musical forms and genres are traced through guided listening and study of representative compositions. An understanding of the changing forms and the makeup of music is acquired. Additional emphasis is placed on the influence of society and other arts on musical trends. This course may be used to meet the general educational Humanities requirement; no credit is given to music majors. IAI Code: F1 900

MUS 268 T
Introduction to Music of the U.S.A.

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course is designed to give the student knowledge of music in America-jazz, classical, folk, religious, rock and electronic. The student will also study the evolution of music from early American hymns to music of our day. IAI Code: F1 904

MUS 269 T
Modern American Music/A Study of Rock and Roll

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course explores twentieth century American music and focuses on the rock and roll style from a historical perspective and influences of social conditions with which it is associated.

MUS 270 T
Conducting

*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0
PREREQUISITE: MUS 161 or consent of instructor

This is a course in the fundamentals of conducting. Areas to be covered will include baton technique, rehearsal technique, score reading and performance practices.

MUS 271 T
Music Theatre Workshop

*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3

The development of performance techniques for the singer-actor as applied to musicals, and opera/operetta. The technique develops skills in facial expression, and body-language control.

MUS 285 T
Jazz Improvisation II

*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 1
PREREQUISITE: MUS 185 or consent of instructor

Continuation of MUS 185, with more emphasis on improvising in a jazz-combo setting. In-depth study of jazz theory and nomenclature. Guided listening and transcription projects designed to familiarize the student with various improvisatory techniques.

* See page 123 for an explanation of course data information categories.

Natural Sciences (NSCI)

NSCI 131 T
Physical Science
*COURSE DATA: CREDITS: 4V • LECTURE: 3 • LAB: 2 • REPEAT: 0

Surveys major topics in physics, chemistry, geology, and meteorology. Selected topics in astronomy are used as examples. This general education course is intended for non-science majors and uses a minimum of basic mathematics and elementary algebra. Can be taken for 3 credits as a lecture course or 4 credits with a lab.
IAI Codes: P9 900 (3 hours); P9 900L (4 hours)

NSCI 132 T
Physical Geography
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0

Studies elements and controls of weather, climate, vegetation, and soils. Evolution of landforms and basic principles of geology are also covered. IAI Code: P1 909L

NSCI 133 T
Introduction to Astronomy with Lab
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: MATH 162

Introductory study of topics in the field of astronomy. Examines astronomical phenomena and concepts, including the solar system, planetary motions, atoms and radiation, stars and galaxies, and the evolution of the universe. Course includes a required lab.
IAI Code: P1 906L

NSCI 134 T
Introduction to Astronomy
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: MATH 162

Applies the methods of scientific inquiry to the field of astronomy. Examines astronomical phenomena and concepts, including the solar system, planetary motions, atoms and radiation, stars and galaxies, and the evolution of the universe. IAI Code: P1 906

NSCI 135 T
Agricultural Botany
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Provides students with a working knowledge of the fundamental structures and processes of plants. Topics include: plant anatomy, physiology, morphology, reproduction, and genetics as related to crop production. This course is open only to students majoring in agriculture.

NSCI 136 T
Agricultural Chemistry
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Studies the fundamental principles and concepts in chemistry. Designed to provide an understanding needed by technicians in agricultural chemicals, fertilizer, soil, and nutrition. Applications to the specialized areas of agricultural technology are stressed. This course is open only to students majoring in agriculture.

NSCI 232 T
Fundamentals of Meteorology
*COURSE DATA: CREDITS: 4V • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: MATH 065

Considers atmospheric energy budget, stability, temperature distribution, pressure fields, winds, moisture, clouds and precipitation, weather disturbance, and change. Course may be taken for three (3) hours of lecture; two (2) extra hours of the lab will be added for the maximum four (4) hours of credit. This course is also offered in an online format. See the current class schedule.
IAI Codes: P1 905 (3 hours) or P1 905L (4 hours)

Nursing (NURS)

NURS 091 O
Nurse Assistant
*COURSE DATA: CREDITS: 8 • LECTURE: 6 • LAB: 4 • REPEAT: 0

Prepares the student for bedside care of noncritical patients under the supervision of an R.N. or L.P.N. Clinical experience in a nursing home includes physical and social rehabilitation of the aged. Emphasis is placed on the how and why of basic procedures relative to patient care. Communication skills and the understanding of the individual patient are stressed. Disease conditions most frequently encountered in hospitals and nursing homes with related nursing care are included. Delivery of course content is through 80 clock hours of lecture and 40 hours of clinical experience.

NURS 099 O
Practical Nursing and the Family
*COURSE DATA: CREDITS: 6 • LECTURE: 3 • LAB: 6 • REPEAT: 0

Focuses on the family unit with an emphasis on human reproduction, normal growth and development, and common illnesses of children. Supervised clinical experience in pediatric and obstetrical areas of the hospital and other selected community settings are utilized. Delivery of course content is through 36 clock hours of lecture and 72 hours of clinical experience.

* See page 123 for an explanation of course data information categories.

NURS 100 O
Medical Terminology I
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1

Students will build on the fundamentals of Medical Terminology I. The course is designed for application of medical terminology in a variety of health fields.

NURS 101 V
Medical Terminology II
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: NURS 100

Students will build on the fundamentals of Medical Terminology I. The course is designed for application of medical terminology in a variety of health fields.

NURS 102 V
Medical Terminology III
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1
PREREQUISITE: NURS 100

Students will build on the fundamentals of Medical Terminology I & II. The course is designed for application of medical terminology in a variety of health fields.

NURS 191 O
Clinical Development I
*COURSE DATA: CREDITS: 10 • LECTURE: 5 • LAB:10 • REPEAT: 0
PREREQUISITE: Acceptance into the Nursing Program

Fundamentals of nursing is the study of basic concepts, principles, and skills which are fundamental to the practice of nursing. The student will develop basic skills in utilizing the nursing process. Communication is identified as a necessary element in the identification of common needs of selected medical surgical adults. Delivery of course content is through 80 hours of lecture, 48 laboratory hours, and 112 hours of clinical experience. Delivery of course content is through 80 hours of lecture, 48 laboratory hours, and 112 hours of clinical experience.

NURS 192 O
Clinical Development II
*COURSE DATA: CREDITS: 12 • LECTURE: 6 • LAB: 12 • REPEAT: 0
PREREQUISITE: Grade of "C" in NURS 191 and BIOL 117

Medical-Surgical Nursing is a framework for studying adults with medical and surgical problems. The concurrent clinical practice provides opportunity for students to apply classroom learning to the community setting. Delivery of course content is through 96 hours of lecture, 12 hours of lab, and 180 hours of clinical experience.

NURS 193 O
Nursing Perspectives
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0

Reviews the history and roles of the licensed practical nurse, legal and ethical responsibilities, health-team relationships, continuing education programs, and international aspects of nursing. Delivery of course content is through 16 clock hours of lecture.

NURS 194 O
Gerontology for Nurses
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Enrollment in or graduation from a nursing program

Describes the concepts of physiological, psychosocial, and societal needs of the elderly person and nursing's responsibilities to the older population. Delivery of course content is through 48 clock hours of lecture.

NURS 196 V
Emergency Medical Training
*COURSE DATA: CREDITS: 6 • LECTURE: 4.5 • LAB: 3 • REPEAT: 0

Trains operators of emergency vehicles (ambulances). Upon successful completion of the course, the student will receive a certificate from the Department of Public Health and will be qualified to take the National Registry of Emergency Medical Technician examination. Delivery of course content is though 71 clock hours of lecture and a minimum of ten hours in clinical observation and training.

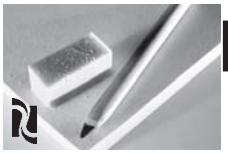
NURS 197 V
EMT-Basic Transition Course
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 3
PREREQUISITE: NURS 196 and current EMT-B Certification

Provides transitional material needed for the EMT to gain functional understanding of an assessment-based approach to patient care, as well as the interventions added to EMTs basic scope of practice. The course follows the Department of Transportation curriculum and meets the recertification requirements for EMT-Bs. Delivery of the course is through 25 clock hours of instruction. A maximum of eight (8) credit hours may be earned in this course.

NURS 198 O
First Responder
*COURSE DATA: CREDITS: 2 • LECTURE: 1.5 • LAB: 1 • REPEAT: 0

Provides instruction designed for police and fire personnel, business and industry employees, or anyone desiring training in the initial care of accident victims. The overall objective of the course is to improve the quality of emergency medical care, to provide basic life support, and to take any other actions necessary to minimize the patient's discomfort and prevent further complications. State Department of Transportation certification is granted to successful completers. Delivery of course content is through 24 clock hours of lecture and 16 hours of clinical experience.

* See page 123 for an explanation of course data information categories.



NURS 207 V
New Horizons in Rehabilitation Nursing

*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: Must be an R.N. or L.P.N.

Discusses new trends in rehabilitation practice including psychosocial reactions to long-term disease or disability, activities of daily living, and selected conditions of orthopedic and progressive neuromuscular disabilities. Practical skills such as transfer techniques, range of motion, bed and chair positioning, body mechanics, and mobility devices will be demonstrated. Delivery of course content is through 64 clock hours of lecture.

NURS 291 O
Family Nursing

*COURSE DATA: CREDITS: 6 • LECTURE: 3 • LAB: 6 • REPEAT: 0
PREREQUISITE: Grade of "C" in NURS 192 and 292, and concurrent enrollment in 294, and BIOL104 and 211, and PSY 262

Studies the health of beginning and growing families, including family planning, the prenatal period, the birth of the baby, and care of the child through adolescence. The family's ability to function as a self-care and a dependent-care agency is the framework of the course content and clinical experience. Delivery of course content is through 48 clock hours of lecture and 96 hours of clinical experience.

NURS 292 O
Clinical Development IIIA

*COURSE DATA: CREDITS: 6 • LECTURE: 3 • LAB: 6 • REPEAT: 0
PREREQUISITE: Grade of "C" in NURS 192, BIOL 104, and PSY 161

A comprehensive course developing a progressive understanding of care and maintenance of patients in acute illness. The course has 48 lecture hours, 6 hours of lab, and 90 hours of clinical.

NURS 293 O
Psychiatric Nursing

*COURSE DATA: CREDIT: 5 • LECTURE: 3 • LAB: 4 • REPEAT: 0
PREREQUISITE: Grade of "C" in BIOL 104, NURS 192 and PSY 161

Psychiatric nursing is the study of mental health, both normal and abnormal. The concurrent clinical practice takes place in acute and chronic care facilities. The focus is on holistic nursing, and because psychiatric mental health nursing is applicable to every nurse's individual practice, the concepts taught may be utilized in all clinical nursing. Delivery of course content is through 48 hours of lecture and 64 hours of clinical experience.

NURS 294 O
Clinical Development IIIB

*COURSE DATA: CREDITS: 7 • LECTURE: 4 • LAB: 6 • REPEAT: 0
PREREQUISITE: Grade of "C" in BIOL 104, NURS 192 and PSY 262

Advanced Concepts of Nursing is a comprehensive course developing a progressive understanding of care and maintenance of patients in crisis. Delivery of course content is through 64 hours of lecture, 12 laboratory hours, and 84 hours of clinical experience.

NURS 296 V
Physical Assessment for Nurses

*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 1
PREREQUISITE: Graduate R.N.

Develops initial skills in physical assessment; to relate fundamental elements of anatomy and physiology necessary for physical assessment; to develop basic skills of inspection, palpation, auscultation, and percussion; and to coordinate the above skills into the clinical techniques of physical assessment consistent with the expanded role of the professional nurse. Delivery of course content is through 32 clock hours of lecture and 32 hours of clinical experience. A maximum of six (6) credit hours may be earned in this course.

NURS 298 V
Perspectives and Leadership in Nursing

*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0
PREREQUISITE: Second year ADN student

This course introduces the student nurse to the principles of leadership and professionalism as they pertain to nursing. Delivery of course content is through 16 hours of lecture. Develops nursing leadership skills and provides a perspective of the nursing profession. A discussion format is used to incorporate current events, and leadership skills into the student's nursing practice. Discussion of current events as they pertain to the nursing profession is encouraged. Delivery of course content is through 16 clock hours of lecture.

NURS 299 V
Legal Aspects of Nursing

*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Designed to explore the ethical and legal aspects of professional nursing practice and the relationship between ethics and the law. Legal guidelines for nursing practice as well as a framework for resolving ethical dilemmas will be reviewed. Delivery of course content is through 48 hours of lecture.

* See page 123 for an explanation of course data information categories.

Occupational Education (OCED)

OCED 101 V
Upgrading Vocational Skills
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides review and renewal of vocational skills needed to perform adequately in a career.

OCED 117 O
Occupational Safety
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides general instruction in safety education. The student will become familiar with the vocabulary and materials that are essential for an effective safety program.

OCED 250 V
Career Seminar
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 2

Introduces topics important to a successful career. Topics may include work attitudes, team building, supervision, ethics, and professionalism. A maximum of three (3) credit hours may be earned in this course.

OCED 290 V
Workplace Experience
*COURSE DATA: CREDITS: 4V • LECTURE: 1 • LAB: 6 • REPEAT: 2
PREREQUISITE: Consent of program faculty, completion of 21 credit hours of technical coursework and consent of program faculty

The internship will provide students with practical experience in area institutions, businesses, or manufacturing environments. Students working with one or more intern sponsors will learn entry-level skills and career requirements, workplace expectations, business operations, and industrial or professional applications. Students are required to attend orientation and summary meetings, satisfactorily complete planning and reporting requirements, and working specific hours at the work site under the direction of the sponsor. Internships are available in the following areas: Agriculture, Automotive, Business & Accounting, Cosmetology, Early Childhood Education, Information Systems, Information Technology Healtchcare, Manufacturing, and Office Technology. A maximum of twelve (12) credit hours may be earned in this course.

Office Technology (OFFT)

**Courses marked with a double asterisk are delivered in Highland's individualized Office Technology Lab. This lab is staffed at all times with an instructor to assist students with course work. Students are able to proceed through many courses at their own rate and at times that are convenient to both the traditional student and to the person wishing to train for a new field or to upgrade his/her skills.

**OFFT 151 O
Keyboarding/Formatting I
*COURSE DATA: CREDITS: 4V • LECTURE: 4 • LAB: 0 • REPEAT: 1

Develops techniques and proficiency in keyboarding. This course is for students with little or no previous keyboarding training. Course production work emphasizes various keyboarding projects, including reports, business letters, and tables. The course is designed for both beginning Office Technology students and other students interested in obtaining keyboarding ability to help them in their schoolwork and future professions. A maximum of eight (8) credit hours may be earned in this course.

**OFFT 152 O
Keyboarding/Formatting II
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: Grade of "C" in OFFT 151 or consent of instructor

Provides advanced drill work to develop speed and accuracy. This course includes business letters, tables, correspondence, reports, business forms, and punctuation.

OFFT 154 O
Office Professionalism Seminar
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 1

Introduces topics that are important to a successful office career. This seminar will meet for five sessions and each session will cover a different topic. Topics may include attitude, team building, supervisory skills, ethics, business professionalism, and etiquette. A maximum of two (2) credit hours may be earned in this course.

**OFFT 156 O
Keyboarding Speed and Accuracy Development
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 1
PREREQUISITE: An HCC keyboarding course or keyboarding experience or consent of instructor

Improves keyboarding speed and accuracy. Students will complete a series of computerized timed writings for both speed and accuracy. A variety of drills will be available to students. A maximum of two (2) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

**OFFT 158 O
Legal Transcription
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: OFFT 163 or consent of instructor

Introduces the student to legal transcription with an emphasis on legal terminology and procedures by keying various legal forms and reports from sound files.

**OFFT 161 O
Proofreading
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0
PREREQUISITE: INFT 131 or concurrent enrollment, or consent of instructor

Develops the student's ability to locate errors commonly made in the areas of spelling, word division, capitalization, number usage, word usage, grammar, and punctuation. This is a valuable course for anyone involved in written communication.

**OFFT 162 O
Pre-Transcription Skills
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0
PREREQUISITE: COMM 090 or placement into ENGL 121

Presents a review of punctuation, spelling, capitalization, number usage, and abbreviation style in a context that requires application for the purpose of proofreading and editing. Students must demonstrate a knowledge of syntax and sentence correctness necessary for the application of pre-transcription skills which meet business and industry standards.

**OFFT 163 O
Machine Transcription
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0
PREREQUISITE: OFFT 151 and OFFT 162 or concurrent enrollment, or consent of instructor

Develops transcription speed by keying prepared, dictated material from sound files. This course emphasizes a high degree of skill and speed in transcribing business documents.

OFFT 255 O
Office Procedures
*COURSE DATA: CREDITS: 4 • LECTURE: 4 • LAB: 0 • REPEAT: 0
PREREQUISITE: Credit or concurrent enrollment in OFFT 151 or consent of instructor

Gives students an understanding of business from the standpoint of the secretary. Studies office procedures connected with correspondence, the telephone, filing principles, office systems, mail, reference books, Internet, and office relationships, including the secretary's role in management.

College Success Skills (LIBS)

LIBS 199 T
College Success Skills
*COURSE DATA: CREDITS: 2V • LECTURE: 2 • LAB: 0 • REPEAT: 0

Helps students develop the academic and personal strengths necessary for success in college. Study skills, critical thinking, and information about resources are presented in a context which addresses the diversity of the student population on college campuses today.

LIBS 299 T
Capstone Course
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Provides students with the opportunity to integrate and apply knowledge and skills from their general education curriculum. Students will design and evaluate projects which demonstrate critical thinking and which focus on the knowledge and values leading to personal and professional success. The course will provide students with an opportunity to explore the personal, social, and practical issues of transition to a senior institution or work environment.

Philosophy (PHIL)

PHIL 180 T
Survey of World Religions
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course introduces major world religions such as Hinduism, Buddhism, Islam and other tangent faiths. It is intended to expand the student's awareness and appreciation of the major faiths practiced by the people of our world. IAI Code: H5 904N

PHIL 185 T
Introduction to Religion
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • LECTURE: 0

An introduction to the experience of religion in human life. The student will explore some of the primary forms of religious expression.

PHIL 281 T
Introduction to Philosophy
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces persistent philosophic concerns such as varieties of truth, existence of God, and the nature of faith, personal identity, freedom, ethics, and justice through discussion of traditional and contemporary readings. Students will develop the skills necessary to evaluate these concerns and to develop, clarify, and express their own philosophical viewpoints. IAI Code: H4 900

* See page 123 for an explanation of course data information categories.

PHIL 282 **T**
Ethics
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Encourages the development of moral self-awareness and self-evaluation and identifies the value of personal and social moral responsibility. To this end, students study essays dealing with selected ethical theories, the nature of particular virtues, and vices and the desirability of personal ethics. IAI Code: H4 904

PHIL 283 **T**
Introduction to Logic
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Considers the nature and structure of argument, role of language in argumentative speaking and writing, and fallacies and pitfalls in reasoning. Examples of written discourse, especially selections involving ethical reasoning, are analyzed and evaluated.

Physical Education (PHYD)

PHYD 111 **T**
Introduction to Physical Education
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Covers the philosophy, aims, objectives, and principles of physical education with an emphasis on the development of basic understanding of the function of physical education in public schools and the elements involved in the professional preparation of teachers.

PHYD 112 **T**
Health
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Covers the principles of hygiene and community health with an emphasis on basic biological, sociological and psychological facts, and principles underlying health education and physical education.

PHYD 113 **T**
Golf
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Develops the skills and fundamentals of golf techniques and provides practice and playing experience on the golf course. This course is for beginning or experienced students.

PHYD 114 **T**
Outdoor-Indoor Activities
*COURSE DATA: CREDITS: 1V • LECTURE: 0 • LAB: 2 • REPEAT: 3

Introduces the student to a variety of recreational activities selected on the basis of facility availability and student interest. A maximum of four (4) credit hours may be earned in this course.

PHYD 115 **T**
Introduction to Recreation
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Offers an opportunity for the student to develop concepts about recreation, the meaning of leisure and recreation, the economic importance of recreation, the social institutions providing recreation services, and the types of areas and facilities used in recreation.

PHYD 116 **T**
Tae-Kwon-Do
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 2

Introduces the student to the fundamentals of Tae-Kwon-Do with an emphasis on physical conditioning and self-defense. A maximum of three (3) credit hours may be earned in this course.

PHYD 117 **T**
Beginning Swimming
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Leads the student through the logical progression of the fundamentals necessary to develop swimming skills as follows: getting used to water, floating, stroking, and breathing.

PHYD 118 **T**
Tennis
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Develops the skills and fundamentals of tennis techniques and provides practice and playing experiences on tennis courts.

PHYD 119 **T**
Beginning Skiing
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Teaches fundamentals and the development of skills in downhill skiing.

PHYD 120 **T**
General Conditioning
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 2

Provides participation in a wide variety of fundamental physical education skills. Stresses the development of strength and endurance and participation in recreational activities. A maximum of three (3) credit hours may be earned in this course.

PHYD 121 **T**
Physical Fitness I
*COURSE DATA: CREDITS: 2V • LECTURE: 0 • LAB: 4 • REPEAT: 1

Provides fitness through exercise. Individual participation and instruction in physical activities, weight training, calisthenics, and aerobics. A maximum of four (4) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

PHYD 122 T
Football and Basketball
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Stresses the execution of the fundamentals and techniques of these coeducational team sports. The football phase is of the "touch" or "flag" variety.

PHYD 124 T
Theory of Football Coaching
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Includes study of the fundamentals and techniques, rules, and strategies of football.

PHYD 125 T
Fitness/Jogging
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 2

Demonstrates and instructs jogging techniques that are designed to assist the student in developing a regular jogging routine. A maximum of three (3) credit hours may be earned in this course.

PHYD 130 T
Body Conditioning/Running
*COURSE DATA: CREDITS: 1V • LECTURE: 0 • LAB: 2 • REPEAT: 2

Includes study of the fundamentals of body mechanics, principles of running, appropriate stretching fundamentals, and a running program designed to promote improved cardiovascular fitness for the student. A maximum of three (3) credit hours may be earned in this course.

PHYD 135 T
Games in Elementary Physical Education
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Emphasizes the factors essential to program planning in physical education on the elementary school level including techniques of organization, activities planning, observations of children, and methods of teaching.

PHYD 136 T
Folk Dance
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 1

Covers folk dances of many countries that are applicable to use in schools and recreational programs. A maximum of two (2) credit hours may be earned in this course.

PHYD 141 T
Cross-Country Skiing
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 2

Introduces the student to the fundamental skills of cross-country skiing, proper care of equipment, and physical conditioning. When weather does not permit skiing, winter hiking will be substituted as an activity. A maximum of three (3) credit hours may be earned in this course.

PHYD 142 T
Intermediate Swimming
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: PHYD 117 or consent of instructor

Increases the ability of the beginning swimmer. Work on endurance and addition of new skills is included.

PHYD 143 T
Advanced Swimming
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: PHYD 142 or consent of instructor

Concentrates on endurance, distance swimming, and survival skills.

PHYD 146 T
Intermediate Tae-Kwon-Do
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 2
PREREQUISITE: PHYD 116 or equivalent

Provides instruction for students who desire to increase their skills in Tae-Kwon-Do. A maximum of three (3) credit hours may be earned in this course.

PHYD 149 T
Intermediate Skiing
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: PHYD 119 or consent of instructor

Provides instruction for the student who has mastered beginning skills. Emphasis will be placed on advanced maneuvers.

PHYD 150 T
Backpacking
*COURSE DATA: CREDITS: 2V • LECTURE: 0 • LAB: 4 • REPEAT: 1

Introduces the student to backpacking and wilderness hiking. This course will cover equipment, outfitting, food and nutrition essentials, safety, and map reading. Several weekend field trip experiences will be included. A maximum of four (4) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

PHYD 210 T
Sport Appreciation
*COURSE DATA: CREDITS: 1 • LECTURE: 1 • LAB: 0 • REPEAT: 0

Discusses and demonstrates various sports, activities, and hobbies. Students will not be required to dress in activity clothing and participate. The emphasis will be upon less common sports and activities. Examples may include: cycling, fencing, climbing, repelling, and scuba diving.

PHYD 211 T
Recreational Leadership
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies leadership as related to recreational activities in the schools, YMCA, YWCA, and camping. This includes history, supervision, and program content.

PHYD 212 T
First Aid
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Studies CPR, accident prevention, and the actions to be taken in cases of accidents and sudden illness in the home, school, and community. CPR certification is included.

PHYD 213 T
Bowling
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Develops skills in a sport that can be enjoyed throughout the student's lifetime. An extra fee will be charged.

PHYD 215 T
Social Dancing
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 2

Emphasizes knowledge and the development of skills in various social dances. A max of three (3) credit hours may be earned in this course.

PHYD 216 T
Recreational Sports
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Provides active coeducational instruction in sports of recreational nature. Attention will be given to low-organized, non-vigorous games.

PHYD 218 T
Human Sexuality
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Improves the student's knowledge of human sexuality. Presents such aspects of human sexuality as the male reproductive system, the female reproductive system, human sexual response, pregnancy, contraception, and venereal diseases. The course will also be concerned with the philosophical, psychological, and social aspect of human sexuality.

PHYD 219 T
Drugs and Society
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Provides students with information that will make it possible for them to evaluate the effects of drug use on the human body and ultimately upon society.

PHYD 220 T
Team Sports
*COURSE DATA: CREDITS: 3V • LECTURE: 0 • LAB: 6 • REPEAT: 1
PREREQUISITE: Athletic eligibility or consent of instructor

Instructs students in the skills, techniques, and rules of team sports. Emphasis is on experience playing the sport. Team sports will include: basketball, volleyball, baseball, golf, and softball. A maximum of six (6) credit hours may be earned in this course.

PHYD 221 T
Physical Fitness II
*COURSE DATA: CREDITS: 2V • LECTURE: 0 • LAB: 4 • REPEAT: 1

Teaches fitness through exercise. Individual participation and instruction in physical activities will include jogging, calisthenics, weight training, and aerobics. Develops cardiovascular fitness, aids in muscular strength, muscle rehabilitation, and physical flexibility. A maximum of four (4) credit hours may be earned in this course.

PHYD 222 T
Weight Training
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3

Introduces the student to the fundamentals of lifting as a body conditioning experience. Training on free weights, nautilus, and weight machines will be included. A maximum of four (4) credit hours may be earned in this course.

PHYD 225 T
Theory of Baseball/Softball Coaching
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Includes the study of the fundamentals and techniques, rules, and strategies of baseball.

PHYD 226 T
Theory of Basketball Coaching
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Includes the study of the fundamentals and techniques, rules, and strategies of basketball.

* See page 123 for an explanation of course data information categories.

PHYD 227 T
Sports Officiating
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides coeducational instruction covering football, volleyball, basketball, baseball, softball, and track and field instruction and practice for men and women. Stresses the technique of officiating, study of rules, and will cover Illinois High School Association sports officiating principles.

PHYD 228 T
Theory of Track and Field Coaching
*COURSE DATA: CREDITS: 2 • LECTURE: 2 • LAB: 0 • REPEAT: 0

Includes the study of the fundamentals and techniques, rules, and strategies of track and field.

PHYD 232 T
Tennis and Badminton
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Emphasizes the development of the basic skills needed to play these sports.

PHYD 233 T
Softball and Volleyball
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Emphasizes the development of the basic skills needed to play these sports. Fundamentals of individual and team play will be stressed.

PHYD 234 T
Handball and Racquetball
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Introduces the student to the fundamental rules and strategies of handball and racquetball.

PHYD 236 T
Modern Dance
*COURSE DATA: CREDITS: 1V • LECTURE: 0 • LAB: 2 • REPEAT: 2

Emphasizes the development of skills in basic vocabulary and movement sequence. A maximum of three (3) credit hours may be earned in this course.

PHYD 239 T
Body Mechanics
*COURSE DATA: CREDITS: 1 • LECTURE: .5 • LAB: 1 • REPEAT: 3

Considers figure and posture improvement, conditioning, and development exercises. Application of material learned for use in teaching will be stressed. A maximum of four (4) credit hours may be earned in this class.

PHYD 240 T
Camp Counseling
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Includes the goals and objectives of camping experience, characteristics of the modern day camper, and personal qualities of the camp counselor in relation to outdoor camping and living skills.

PHYD 242 T
Program Planning and Organization
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides the student with methods and procedures for the administration of facilities and personnel in the actual setting of a recreation agency.

PHYD 243 T
Basic Rescue and Water Safety
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: PHYD 117 or consent of instructor

Introduces the students to information and skills that will help them recognize hazardous conditions and practices, techniques to get out of dangerous situations, and ways to safely aid drowning persons without direct contact.

PHYD 244 T
Lifeguard Training
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: Must be 16 years of age with good swimming skills

Prepares individuals to assume more effectively the duties and responsibilities of lifeguarding.

PHYD 245 T
Water Safety Instructor
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: PHYD 244 or equivalent certification

Trains water safety instructors to a high level of proficiency in life-saving and swimming skills. The course concentrates on the performance and teaching of aquatic skills and will also include training in multimedia first aid, CPR, and obstructed airway procedures.

PHYD 249 T
Advanced Skiing
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0
PREREQUISITE: PHYD 149 or consent of instructor

Provides instruction for the student who has mastered intermediate skills. Emphasis will be placed on reinforcement of skiing skills as well as advanced maneuvers.

* See page 123 for an explanation of course data information categories.

Political Science (POL)

POL 151 T
Introduction to Political Science
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduces the student to each of the major areas of political science: political philosophy, comparative government, political dynamics, and international relations. IAI Code: S5 903

POL 152 T
American Government and Politics
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Surveys the basic structure and function of American Government, including Constitutional origins, federalism, civil liberties, civil rights, Congress, political parties, the Presidency, federal courts, and foreign policy. Focuses on the increasing role of the government in all areas of American life as well as the conflicts of opinion surrounding government policy. IAI Codes: S5 900 and PLS 911

POL 153 T
State and Local Government
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Covers the structure and function of state and local governments in the United States with emphasis on Illinois. Topics to be covered include states, counties, townships, special districts, and state-federal governmental relationships. IAI Codes: S5 902 and PLS 915

POL 253 T
International Relations
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Directs the attention of the student to the formulation and execution of foreign policy by the members of the nation-state system, the possible power relationships in which these members can find themselves, the areas of contact they have with each other, and the role of international organizations. Consideration is given to the recent diplomatic history of the major powers. IAI Codes: S4 904N and PLS 912

POL 254 T
Introduction to Comparative Government
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Presents an overview of the achievements of other political units, with an analysis of the structure and functioning of the governments of Great Britain, Germany, France, Russia, China, and other nations. IAI Code: S5 905

POL 255 T
American Parties and Pressure Groups
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Analyzes the role of political parties and their relationships to each other, to pressure groups, and to the public interest. The organization, functions, and goals of the two major parties and of major pressure groups in our political system are studied. Historical trends will be presented, but present-day policies will be emphasized.

POL 256 T
American Foreign Policy
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Examines the history, process, and current problems of American foreign policy.

Psychology (PSY)

PSY 160 T
Psychology of Human Relations
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides students with an opportunity to discover and study the importance of self-love, self-respect, and self-confidence. A seminar approach is used to encourage maximum participation by students and the instructor.

PSY 161 T
Introduction to Psychology
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Studies and scientifically interprets human behavior. Considers such topics as child growth and development, personality, emotions, learning, intelligence, and perception. IAI Codes: S6 900 and SPE 912

PSY 162 T
Child Psychology
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: PSY 161 or consent of instructor

A foundation course in the theory and principles of child development which concentrates on the physical, emotional, social and intellectual(cognitive)growth patterns from prenatal through early childhood. Emphasis is placed on the interaction of these developmental aspects. Theories studied will emphasize the development of the child in the context of gender, family, culture and society and will include Skinner, Erikson, Piaget, Vygotsky and others. IAI Code: S6 903

* See page 123 for an explanation of course data information categories.

PSY 163 T
Practical Psychology
*COURSE DATA: CREDITS: 2V • LECTURE: 2 • LAB: 0 • REPEAT: 0

Applies the psychological principles that lead to efficiency, motivation, communication, interpersonal skills, and attitudes in everyday life situations.

PSY 228 O
Introduction to Counseling
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: PSY 161 or consent of instructor

Introduces the theories and techniques of counseling in a school setting. Various counseling topics, including career, group and individual counseling, and helping skills will be covered. Theories using behavioral, affective, and cognitive approaches will be included.

PSY 230 V
Counseling/Interview Techniques
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: Consent of Instructor

An introduction to counseling skills with emphasis on community resources and approach to assisting others in connecting with referral services. Includes the interview dynamics, methods of establishing rapport, and information-gathering techniques. Development of self-awareness, communication and listening skills. Specific expertise in crisis intervention, recognition of stress and personality disorders.

PSY 261 T
Educational Psychology
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: PSY 161 and Sophomore standing

Deals with psychological principles as they apply to education, including the laws of learning and individual differences.

PSY 262 T
Human Growth and Development
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: PSY 161 or consent of instructor

Studies the psychological development of the individual. Topics to be studied include: principles of development, research methods, physical growth, and emotional and social development. Students will be responsible for classroom observation in local institutions.
IAI Codes: S6 902, EED 903, SED 903, and SPE 913

PSY 264 T
Social Psychology
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: PSY 161 or consent of instructor

Emphasizes social interaction, social influence, and norms of behavior with particular reference to the development of attitudes, motives, and motive patterns in groups. Relation of group structure and dynamics to role prescription and acceptance is also covered. IAI Code: S8 900

PSY 268 T
Introduction to Personality
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: PSY 161 or consent of instructor

Introduces the student to the dynamics involved in developing personality. Problems, concepts and formulations of personality will be presented.

Real Estate (RELS)

Preparation for the Real Estate Broker's License. Note: After a minimum of one year of practice as a Licensed Real Estate Salesperson under the direct control of a Licensed Broker, a person may prepare to become a broker. Sixty semester hours of classroom work in approved Real Estate or Real Estate- related courses are required before a student can qualify to sit for the Illinois Broker's License exam. The Highland courses RELS 266 (Real Estate Law) and RELS 267 (Advanced Real Estate Practices) satisfy these requirements.

RELS 165 O
Real Estate Principles and Practices
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides a basic understanding of the economics of real property and the techniques of handling real property transactions. This course is for the student of business administration, the practitioner seeking a greater knowledge of fundamentals, and consumers who desire to learn how to select, finance, and maintain property either for a home or for investment purposes. A comprehensive discussion of the Illinois Real Estate Salesperson examination will take place. A grade of "C" or better in this course allows the student to take the Illinois Licensing examination. Passage of the exam qualifies the student to become a salesperson under direct control of a Licensed Broker.

* See page 123 for an explanation of course data information categories.

RELS 266 O
Real Estate Law
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides a basic understanding of real estate contracts and conveyances along with the advanced real estate principles of listings, fiduciary relationships, salesman/broker, and broker/broker relationships. Included in this course are 15 hours of real estate appraisal, 15 hours of contract and conveyancing, and 15 hours of sales and brokerage. Offered in fall semesters only.

RELS 267 O
Advanced Real Estate Practice
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides an understanding of the business and management practices necessary to organize and maintain a professional real estate brokerage business. In addition, a study of the financing of real estate properties is included. The course will conclude with a comprehensive discussion of the Illinois Real Estate Brokers and Salesman License Act. Included in the course are 15 hours of advanced real estate practices, 15 hours of financing, and 15 hours of brokerage license review. Offered in spring semesters.

Sociology (SOCI)

SOCI 171 T
Introduction to the Principles of Sociology
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

The course is a general study of human social behavior with an emphasis upon sociological research, socialization and identity, social theories, the nature and meaning of culture, forms of power, and the basic conditions of modernization. The course also initiates a sociology of American culture and society focusing upon modernization as runaway technology. We begin to examine the psychological impact of modernization on people. IAI Code: S7 900

SOCI 174 T
Death and Dying
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Death and Dying is designed to enable the student to understand dying, death and bereavement as a part of the life process. The content looks at a historical perspective of the lifespan to develop an understanding of the present attitudes and practices in today's culture. Study of the bereavement process enhances an understanding of individual and societal development in dealing with the dying process.

SOCI 177 T
Introduction to Anthropology
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course is the study of humans in various habitats, past and present, with emphasis on socio-cultural aspects of human behavior. Included will be the arts, religion, economics, politics, marriage, family, kinship, and the physical origins of man, race, language and archeology. We will also examine a study illustrating the fragility of culture and human social bonds as well as an analysis of an unusual clash of cultures in the Midwest. IAI Code: S1 901N

SOCI 210 T
Introduction to Archaeology
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduction to Archaeology surveys the development of prehistoric societies in Africa, Europe, and Asia from the earliest known human evidence to the emergence of written records. Includes an examination of the methodology and discoveries of modern archeological understanding and sensitivity to issues of race, gender, and ethnicity. IAI Code: S1 903

SOCI 271 T
Social Problems
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course offers the student an opportunity to study and critically reflect upon the history of social problems. The investigation of social problems is a subfield of sociology that focuses upon the social historical context giving rise to the selection of certain ideas or behaviors thought to be harmful or detrimental. In the course of study we will note the forces involved in the irruption and designation of social problems as well as societal responses. IAI Code: S7 901

SOCI 272 T
Introduction to Social Welfare Content
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: 3 hours of Sociology

This course is designed for those seeking to better understand the history and practice of social welfare. Lecture and course material places a major emphasis upon the history of American social welfare. The analysis seeks to explain current welfare services within the context of the development of American culture, political and economic systems, bureaucracy, and the rise of the nation/state as an instrument of social organization.

* See page 123 for an explanation of course data information categories.

SOCI 273 T
Social Service Field Experience
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 10 • REPEAT: 1
PREREQUISITE: 3 hours of Sociology and consent of instructor

Provides for undergraduate practicum in social welfare with the student working a minimum of 40 hours – less consultation hours – per semester in an assigned social agency. In consultation with the instructor the student will have a wide array of human and social services agencies from which to choose. This course offers the student the opportunity to combine reading and research with practical experience in a social service setting. The course examines the history, functioning, and skill requirements associated with the agency the student has selected in consultation with the instructor. The experience allows the student to better identify agency operations and recognize career options and working conditions.

SOCI 274 T
The Family
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course offers the student the opportunity to examine the family as a social institution within the perspective of sociology. The course of study looks at and investigates the family cross-culturally and historically. We address the question of the nature of the family in terms of its relationship to culture and other social institutions (economy, religion, the state, technology, and social science itself). IAI Code: S7 902

SOCI 275 T
Criminology
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course offers the student an opportunity to study and examine criminology. Criminology is the subfield of sociology that focuses upon crime, law, and social control within the context of social organization and culture. While giving legal definitions of wrongful acts their due, the sociological analysis goes beyond this to the social context which gives rise to law. IAI Code: CRJ 912

SOCI 276 T
Racism and Diversity in Contemporary Society
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: ENGL 121 or consent of instructor

Basic concepts and theory of race relations. Survey of racism in basic institutions of American life including education, law enforcement, health services, government, industry and religion. Discussion of social interaction and global and national demographic trends and immigration policy.

SOCI 279 T
Social Science Research Methods
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: SOCI 171

Emphasizes basic sociological research orientation toward the scientific method, various types of research methods and their advantages and disadvantages. The survey, observation and interviewing, concepts and theories, and some principles of research design and administration will be examined.

Special Topics (SPTP)

SPTP 101 T
Special Topics
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 1

Provides an opportunity for the student to complete a special project or seminar class in an area of special interest (to which no separate course number has been assigned) under the supervision and direction of an instructor. The topic will be listed on the student's permanent academic record. A maximum of six (6) credit hours may be earned in this course.

SPTP 150 V
Vocational Special Topics
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 1

Provides an opportunity for the student to complete a vocationally oriented project or seminar class in an area of special interest (to which no separate course number has been assigned) under the supervision and direction of an instructor. The topic will be listed on the student's permanent academic record. A maximum of six (6) credit hours may be earned in this course.

SPTP 201 T
Advanced Special Topics
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 1

Provides an opportunity for the student to complete an advanced project or seminar class in an area of special interest (to which no separate course number has been assigned) under the supervision and direction of an instructor. The topic will be listed on the student's permanent academic record. A maximum of six (6) credit hours may be earned in this course.

* See page 123 for an explanation of course data information categories.

SPTP 250 V
Advanced Vocational Special Topics
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 1

Provides an opportunity for the student to complete a vocationally oriented advanced project or seminar class in an area of special interest (to which no separate course number has been assigned) under the supervision and direction of an instructor. The topic will be listed on the student's permanent academic record. A maximum of six (6) credit hours may be earned in this course.

Speech (SPCH)

SPCH 190 V
Effective Business Speaking
*COURSE DATA: CREDITS: 3V • LECTURE: 3 • LAB: 0 • REPEAT: 0

This course is designed to assist individuals in all aspects of business speaking. Participants will learn to organize and deliver effective persuasive and informative presentations, and will obtain confidence in speaking abilities. Topics include: developing and organizing message content, beginning and ending presentations, using humor, dealing with performance anxiety, maintaining audience attention, being persuasive, handling audience questions and using audio and visual aids. Participants will make several in-class presentations, assessing speaking strengths through participants, instructor, and self-evaluation.

SPCH 191 T
Fundamentals of Speech Communication
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Emphasizes the practical application of oral communication theory to improve oral communication skills. This course is focused on (1) developing awareness of the communication process, (2) understanding and using inventional, organizational and expressive strategies, (3) promoting an understanding of a variety of communication concepts and how a communicator should adapt to those situations, and (4) emphasizing critical skills in listening, thinking and speaking. Topics covered include public speaking, listening and group communication. IAI Code: C2 900

SPCH 192 T
Introduction to Public Speaking
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: SPCH 191

Introduces the student to the processes and variables of public communication. Units include preparing and planning presentations, organizing speeches, using audio visual aids, delivery of speeches and handling questions from the audience. Emphasis is on the creation and delivery of several types of speeches throughout the course. IAI Code: SPC 911

SPCH 193 T
Oral Interpretation
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Helps students gain poise and control before a group of people, with emphasis on improvement and individual work. IAI Codes: SPC 915 and TA 916

SPCH 194 T
Introduction to Broadcasting
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Covers the basic technical backgrounds, history of, and rules and regulations covering broadcasting. Provides limited practice in writing and performing material for broadcasting.

SPCH 195 T
Radio and Television Production
*COURSE DATA: CREDITS: 4 • LECTURE: 3 • LAB: 2 • REPEAT: 0
PREREQUISITE: SPCH 194 or consent of instructor

Introduces the student to the basic theories and procedures of writing, producing, directing, and performing radio and television programs. The students will have the opportunity to work in the radio and television studios as part of a production team in all aspects of programming.

SPCH 199 T
Speech Activities I
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 3

Provides students the opportunity to earn credit in forensics competition. By enrolling in this class, the student accepts the below criteria as a contract for grading.

SPCH 285 T
Radio Practicum
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 5 • REPEAT: 3

Applies radio practices. The student participates in the operation of the college's student radio station, WHCC, learning and applying skills in management, copy writing, programming, news reporting and writing, announcing, engineering and sales.

SPCH 290 T
Introduction to Film
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduction to Film examines the craft and art of film to improve understanding and appreciation of the cinematic media. The course consists of viewing and discussing representative films from various American film genres. IAI Code: F2 905

* See page 123 for an explanation of course data information categories.

SPCH 291 T
Non-Verbal Communication
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Provides an understanding and awareness of the different forms of nonverbal communication. Units covered include environment and space, physical appearance and behavior, touch, facial expressions, eye contact, and cross-cultural nonverbal communication.

SPCH 292 T
Contemporary Argumentation
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: SPCH 191

Introduces the student to theories of argumentation with emphasis placed on the nature of argument, proofs and evidence, constructing arguments, attack and defense of arguments, fallacies of argument, and the use of logical and persuasive reasoning. Students are expected to design, defend, and attack argumentative messages. IAI Code: SPC 913

SPCH 293 T
Small Group Communication
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0
PREREQUISITE: SPCH 191 or consent of instructor

Provides participants with the skills related to group leadership, small group problem solving, conflict resolution, and conducting meetings. Emphasis is placed on skill development as participants apply theories of small group dynamics to actual group situations. This course is useful for students who wish to learn more about how groups function, as well as for persons who have a responsibility for group or team efforts. IAI Code: SPC 920

SPCH 294 T
Leadership Development
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Prepares students to assume increasingly responsible leadership roles in their personal, professional, and academic lives. Students will study classic works of literature to understand theories and characteristics of effective leadership. The course includes substantial hands-on, experiential, learning opportunities to help students practice leadership.

Theatre (THEA)

THEA 180 T
Stagecraft I
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 3 • REPEAT: 1

This course provides students with an introduction to the fundamental tools, machinery, hardware, safety, and techniques of technical theatre. The students will learn to use tools and machinery in realizing scenery, and lighting for a theatrical production. A maximum of six (6) credit hours may be earned in this course.

THEA 181 T
Stagecraft II
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 3 • REPEAT: 1
PREREQUISITES: Successful completion of THEA 180

This course provides students with an introduction to the fundamentals of scenery construction, techniques for scenery painting, and the basic principles and techniques for lighting of a theatrical production.

THEA 183 T
Basic Acting
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

An investigation into the basic elements of acting or, characterization; develop an understanding of voice, facial expressions, gestures, movement, and focus techniques. Samples several styles of acting through scene and monologue performances.

THEA 184 T
Principles of Acting I
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: Consent of instructor

This course is designed for students who wish to make a serious commitment to the study of acting. Students will be enrolled in PHYD 239 BODY MECHANICS simultaneously with THEA 284/285, and will be required to meet for training, instruction, or rehearsal four times per week (MR, 13:30P.M.). Physical training is aimed at development of strength and flexibility through kick-boxing, plyometrics, yoga, step aerobics, and various other methods. Acting techniques are developed through a series of workshops covering a wide range of topics (i.e. sensitivity and trust, building character through movement, puppets and masks, stage combat, improvisation, and both scene work and fully realized performances). Participation in this course and the Principles of Acting II course constitutes membership in the Highland Community College Acting Company. Most members of the company will receive scholarship assistance. IAI Code: TA 914

* See page 123 for an explanation of course data information categories.

THEA 185 T
Principles of Acting II
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: THEA 183 and 184

This course is designed for students who wish to make a serious commitment to the study of acting. Students will be enrolled in PHYD 239 BODY MECHANICS simultaneously with THEA 185/184, and will be required to meet for training, instruction, or rehearsal four times per week (M-R, 1-3:30P.M.). Physical training is aimed at development of strength and flexibility through Kick-boxing, plyometrics, yoga, step aerobics, weight-training, and various other methods. Acting techniques are developed through a series of workshops covering a wide range of topics (i.e. sensitivity and trust, building character through movement, puppets and masks, stage combat, improvisation, and both scene work and fully realized performances). Participation in this course constitutes membership in the Highland Community College Acting Company. Most members of the company will receive scholarship assistance. IAI Code: TA 915

THEA 186 T
Stage Make-Up
*COURSE DATA: CREDITS: 2 • LECTURE: 1 • LAB: 2 • REPEAT: 0

Introduces the techniques and principles of makeup for the theatre. Emphasis is on character makeup, principles of light, shade and color, laboratory experience in design, and realization of makeup plans in actual theatre productions. IAI Code: TA 912

THEA 187 T
Intro to Tech Theatre I
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Teaches students the fundamentals of scenery construction and scenery painting. Practical activities with current productions are encouraged.

THEA 188 T
Summer Theatre Workshop
*COURSE DATA: CREDITS: 3 • LECTURE: 1 • LAB: 4 • REPEAT: 2

Studies stage movement, voice production, acting techniques, and technical theatre. This course is taught in conjunction with the experience of Summerset Theatre, a summer stock company producing three full-scale productions. In addition to regular classes, all participants will be involved in various aspects of the Summerset Theatre productions. A maximum of nine (9) credit hours may be earned in this course.

THEA 189 T
Introduction to Stage Costuming
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Introduction to principles and techniques of planning and executing costumes for theatrical production. Includes use of costume plots, measurements for fitting, construction procedures, and research resources for historical period and folk costumes. IAI Code: TA 913

THEA 196 T
Introduction to Theatre
*COURSE DATA: CREDITS: 3 • LECTURE: 3 • LAB: 0 • REPEAT: 0

Begins with the exploration of the fine arts in general, then covers the history of the western theatre, and the contributions of those working in theatre and selected plays, with particular attention to modern productions. IAI Codes: F1 907 and TA 917

THEA 197 T
Applied Theatre I
*COURSE DATA: CREDITS: 1 • LECTURE: 0 • LAB: 2 • REPEAT: 0

Provides the opportunity for students performing or working in college plays, upon the recommendation of the instructor, to receive credit for their participation. IAI Code: TA 918

THEA 198 T
Applied Theatre II
*COURSE DATA: CREDITS: 2 • LECTURE: 0 • LAB: 4 • REPEAT: 0
PREREQUISITE: Consent of Instructor

Provides the opportunity for students performing or working in college plays, upon the recommendation of the instructor, to receive credit for their participation. IAI Code: TA 918

THEA 283 T
Theatre Practicum
*COURSE DATA: CREDITS: 5V • LECTURE: 0 • LAB: 25 • REPEAT: 3

Provides practical experience in acting, costuming, stage management, lighting, scene design, box office management, and scenery construction. A maximum of twenty (20) hours may be earned in this course. IAI Code: TA 918

THEA 286 T
Theatre Practice: Stage Lighting
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Introduces students to theories, methodology skills, instruments and their use, control of light, and practical application with the current production.

* See page 123 for an explanation of course data information categories.

THEA 287 T
Beginning Directing
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Presents the principles of staging and the use of the set stage in dramatic action. The geography of the stage and dramatic analysis used through scene study and laboratory production of one-act plays are included.

THEA 296 T
Introduction to Technical Theatre II
COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Introduces the fundamentals of technical theatre in the areas of design and construction for scenery, costumes, lighting, properties, and makeup. Each student will declare an area of emphasis and contribute lab hours mainly in that area. IAI Code: TA 911

Welding (WELD)

WELD 130 O
Introduction to Welding
*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Develops the student's ability to weld using various materials and positions. Includes safety, terminology, preparation, and operation of Shielded (SMAW) and GAS (GMAW) Metal Arc Welding Equipment.

WELD 135 O
Shielded Arc and Oxyacetylene Welding
*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0

Develops the student's skill in welding and cutting mild steel and cast iron in various positions with oxyacetylene and AC/DC arc welding equipment. Develops the student's knowledge of metals and their characteristics. This course also meets the needs of students enrolled in other technical programs.

WELD 232 O
Intermediate Welding and Fabrication
*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: WELD 130 or WELD 135 or consent of instructor

Develops the skill of the welder in the use of tungsten inert gas (TIG). Welding of carbon steel, aluminum, and alloy steels will be practiced in all positions to meet commercial standards.

WELD 233 O
Advanced Welding Processes
*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: WELD 232 or consent of instructor

Develops the knowledge and skill of the welder in the operation and use of the continuous metal wire arc welding process (MIG). Welding of structural steel and aluminum, arc cutting and surfacing will be practiced to meet commercial standards. All position welding will be included.

* See page 123 for an explanation of course data information categories.

Faculty and Administration

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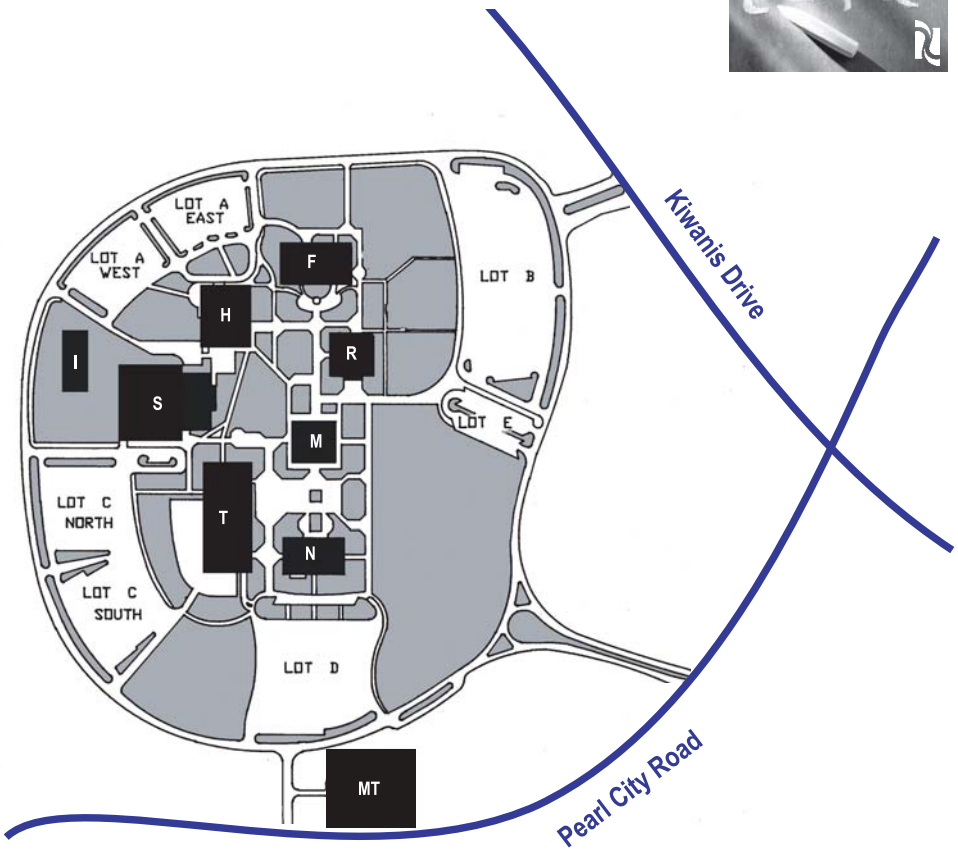

F Ferguson Fine Arts Center

Art Faculty Offices
Art Studios
Band Room
Chorus Room
Classrooms
Fine Arts Theatre
Music Director's Office
Music Practice Rooms
Theatre Director's Office

H Student Conference Center

First Floor
Academic Advisors
Bookstore
Cafeteria
Career Center
HCC Foundation
Student Activities
Student Resources
Student Senate

Second Floor
Academic Advisors
Admissions & Records Office
Business Office
Conference Center
Financial Aid Office
Human Resources Office
President's Office
Purchasing Office
Vice President/Academic & Student Services
Vice President/Community & Institutional Development
Vice President/Administrative Services Development

I Child Care/Training Center

N Science Center

Associate Dean of Natural Science and Health
Natural Science and Health Faculty Offices
Nursing Offices
Classrooms
Science Labs

MT Barn

Director of Physical Plant
Mail Room
Maintenance Shops
Shipping/Receiving

M Marvin-Burt Liberal Arts Center

Audio-Visual Department
Community Relations
Dean of Arts, Sciences, and Learning
Information Technology Services
Learning Assistance Center
Lecture Hall M-120
Project Succeed
Upward Bound

Second Floor
Associate Dean of Humanities/Social Sciences
Classrooms
Humanities/Social Science Faculty Offices
Clarence Mitchell Library

R Community Services Center

ABE/ASE/ESL Classrooms
ABE/ASE Offices
Adult Education
GED Classrooms
Mathematics Labs
Retired Senior Volunteer Program
Stephenson County Coop. Ext. Service
Truck Driver Training Program Office

SC Sports Center

HCC Athletic & P.E. Offices
Larry F. Kahl Gymnasium
Northwest Illinois Family YMCA Offices

T Technology Center

Automotive Labs
Dean of Business and Technology
Business/Technology Faculty Offices
Classrooms, Computer Labs
Cosmetology Center
Office Technology Lab

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