



2014–2015 COLLEGE CATALOG (IN-HOUSE VERSION)

****THIS CATALOG REFLECTS THE MOST CURRENT INFORMATION ABOUT PENNSYLVANIA HIGHLANDS COMMUNITY COLLEGE.
THE COLLEGE RESERVES THE RIGHT TO AMEND ANY PROVISION OR REQUIREMENT AT ANY TIME.***

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President's Greeting

To all Pennsylvania Highlands Community College students I extend a hearty welcome. I would like to especially welcome those students attending Pennsylvania Highlands classes in Huntingdon, Somerset, Ebensburg, and Blair. You are pioneers in our efforts to provide access to higher education services throughout the Southern Alleghenies of Pennsylvania.

Pennsylvania Highlands is truly becoming the public college of the region with a mission to serve the educational and workforce training needs of the Southern Alleghenies. We have brought together a highly dedicated faculty and staff whose primary objective is to ensure that you receive a quality education in our classrooms and laboratories and excellent customer service from all of the auxiliary areas of our institution. We are dedicated to the task of broadening the mind—to getting you ready, not only for a place in America's workforce, but also to getting you ready to face the myriad challenges that the rest of your life has waiting for you. We now serve more than 1,500 students annually in our credit programs at our locations in Richland, Ebensburg, Huntingdon, Somerset, Blair and online. We serve more than 1000 students in our Accelerated College Education (ACE) classes in high schools in eleven Pennsylvania Counties, and we serve approximately 2000 students each year in non-credit training opportunities through Continuing Education. We also have many students who enjoy education, training, and social opportunities through our community education classes.

As Pennsylvania Highlands' fourth president, I have made it my goal to make Pennsylvania Highlands a household word throughout the Southern Alleghenies. I would like it to be difficult for anyone to work anywhere in the region without coming into contact with a Penn Highlands graduate. I believe that our graduates understand the value and importance of hard work and have prepared themselves to be successful. Your time at Penn Highlands will be the catalyst for a lifetime of achievement.

During my tenure at Penn Highlands, we have dramatically improved the student services aspect of the College including a newly created Office of Career Planning and Employer Services. This department works with local employers to identify job opportunities and assists students with all facets of their job search. Whether you are searching for a part time job while you finish your degree or looking to start your career after graduation, the staff of the Office of Career Planning and Employment Services can provide the support and guidance you need.

The Pennsylvania Highlands chapter of Phi Theta Kappa boasts a strong group of honor students ready to meet all academic challenges. Membership in this organization signifies that you are a student who has achieved success in the classroom and the community. Being a Phi Theta Kappa at Penn Highlands signifies that you have accepted the challenges of high academic standards and embraced your responsibilities as a community member.

I realize that a good college experience includes a combination of educational and social opportunities. Penn Highlands has many active student clubs and organizations. These clubs meet regularly and engage in discussions and activities that embrace each group's unique area of focus. Our regional locations have clubs as well so no matter which Penn Highlands location you attend, you will have the opportunity to interact with your fellow students both in and out of the classroom.

I am extremely excited about the success of our athletic teams. The Lady Black Bear Volleyball team has had three very successful seasons and is poised to win a conference championship. Our Men's Basketball team finished the 2013-14 season as runner up in the Western Pennsylvania Collegiate Conference division III tournament after only three seasons of play. These student athletes have embraced the Penn Highlands spirit and if you attend a game you will most likely see me there cheering them on.

It is our pledge to make your time spent at Pennsylvania Highlands Community College rewarding and memorable. We value the important role that you have in the success of our College, our community, and our region's economy. We will help you build a better future for yourselves; please help us build a better college for you and those who follow you. And, thank you for choosing to Climb Higher at Pennsylvania Highlands Community College.

Thank you,

Walter J. Asonevich
President

College Information

History of the College

The Cambria County Commissioners voted unanimously in June 1993 to become the local sponsors for Cambria County Area Community College (CCACC). In September 1993 the State Board of Education approved the establishment of a community college in Cambria County.

In October 1993 the Commissioners approved the appointment of a 15 member Board of Trustees representing the geographic service area of the institution and including leading members of the professional community. The Board of Trustees was inducted and held its initial meeting October 26, 1993.

By March 1994 the County Commissioners approved the Articles of Agreement with Cambria County Area Community College and a month later the Board of Trustees appointed Dr. John O. Hunter as founding President effective June 1, 1994. The first classes were held September 5, 1994. The College was approved as a candidate for accreditation by the Commission on Higher Education, Middle States Association in November 1996. In 1999 Dr. Hunter retired. The Board of Trustees appointed Dr. Kathleen V. Davis as the second President of the College effective July 1, 1999. Under Dr. Davis' leadership the College began the accreditation process by the Middle States Association of Colleges and Schools.

Dr. Davis resigned as President in December 2001. In February 2002 the Board of Trustees appointed Dr. John Kingsmore as Interim President and the College began the search for its third President. In June of the same year the College received notification that full accreditation from the Middle States Association of Colleges and Schools had been granted. On July 8, 2002, Dr. Anna D. Weitz began her tenure as the third President of Cambria County Area Community College.

During its first ten years of operation the College expanded its academic offerings in liberal arts and career programs to include on-line courses and advanced technology offerings. In addition to providing area residents with credit courses, the College has increased non-credit, continuing education programs to meet the workforce development needs of the region. The vision of President Dr. Anna Weitz was to grow enrollment and expand outreach of the College to surrounding counties that are underserved or not served by a community college. In order to achieve this goal, the College petitioned the Department of Education to change the name of CCACC to reflect a more regional approach. The College's name was officially changed to Pennsylvania Highlands Community College effective July 1, 2004.

In May of 2007 Dr. Weitz pursued another employment opportunity and on August 13, 2007, the Board of Trustees appointed Dr. Walter Asonevich as the College's fourth President.

Since the arrival of Dr. Asonevich in August 2007, the College has moved to its current location on Community College Way in Richland, revamped its offerings at the Ebensburg Education Center, and added expansion sites in Somerset and Huntingdon counties. The College has added new career-technical programs, transfer programs, and a pilot training course. Enrollment has grown tremendously, and the College has rejoined the NJCAA with men's basketball and women's volleyball.

Mission Statement

Pennsylvania Highlands Community College provides quality, affordable opportunities for learning that meet regional needs in a supportive, student-oriented environment.

Core Values

Pennsylvania Highlands Community College strives to be a community of learners where every student, employee and community member is respected and supported. The College is deeply committed to the following values:

Student Success - creating a student-centered environment where individuals are challenged, encouraged and supported to achieve their educational, professional and personal goals as well as develop a spirit of intellectual curiosity and a commitment to lifelong learning.

Quality and Accountability - establishing performance standards throughout the institution, developing measures to document effectiveness along with a commitment to continuous improvement in pursuit of excellence.

Integrity and Ethics - holding each member of the organization to high professional and personal standards. These principles are also embodied in the Statement on Professional Ethics adopted by the College's Faculty.

Collaboration and Collegiality - informing and involving members of the College community in discussion and problem solving at all levels in an atmosphere marked by civility and cordiality conducted with respect for personal and professional differences remembering as well the value of humor and humility.

Responsiveness to Diverse and Changing Community Needs - developing innovative and creative responses to the region's dynamic economic, workforce and social needs based on interactions with all segments of the community.

Vision

Pennsylvania Highlands Community College will be a nurturing, dynamic center for teaching and learning. We will be a model for individual development and a catalyst for regional renewal.

Accreditation

Pennsylvania Highlands Community College is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, 215-662-5606. The Commission on Higher Education is an institutional accrediting agency, which is recognized by the U.S. Secretary of Education and the Commission on Recognition of Postsecondary Accreditation.

Affirmative Action/Equal Opportunity Statement

Pennsylvania Highlands Community College is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, and handicap in its activities, programs, or employment practices as required by Titles VI and VII, Title IX, and Section 504.

If a student believes he/she has been discriminated against in violation of Titles VI and VII of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Americans With Disabilities Act (ADA) of 1990, Section 504, or any applicable law and ordinance of the Commonwealth of Pennsylvania, he/she must report the incident to the Associate Vice President for Human Resources, Pennsylvania Highlands Community College, 101 Community College Way, Johnstown, PA, 15904, (814) 262-3826.

Contact Information

Locations

Pennsylvania Highlands Community College operates multiple locations to serve our students. Our main facility, the Richland Campus, houses our student services, academic, and administrative offices. The centers in Blair, Ebensburg, Huntingdon, and Somerset offer instructional spaces.

Richland Campus

101 Community College Way
Johnstown, PA 15904
(814) 262-6400 (Voice)
(814) 269-9743 (Fax)
admissions@pennhighlands.edu

Blair Center

Logan Valley Mall
Altoona, PA 16602
(814) 201-2700
blair@pennhighlands.edu

Ebensburg Center

881 Hills Plaza Drive, Suite 450
Ebensburg, PA 15931
(814) 471-0010 (Voice)
(814) 471-0410 (Fax)
ebensburg@pennhighlands.edu

Huntingdon Center

6311 Margy Drive
Huntingdon, PA 16652
(814) 643-6200 (Voice)
huntingdon@pennhighlands.edu

Somerset Center

315 Georgian Place
Somerset, PA 15501
(814) 443-2500 (Voice)
somerset@pennhighlands.edu

Departments

The following list contains commonly used contact information of interest to our students. All offices listed are located at our Richland Campus located at 101 Community College Way in Johnstown, Pa. These offices may also be contacted using the toll-free line at (888) 385-PEAK.

Academic Affairs

(814) 262-6455

academicaffairs@pennhighlands.edu

Admissions

(814) 262-6446

admissions@pennhighlands.edu

Bookstore

(814) 262-7912

bookstore@pennhighlands.edu

Career Planning and Employer Services

(814) 262-3850

careerservices@pennhighlands.edu

Bursar's Office

(814) 262-6437

bursar@pennhighlands.edu

Financial Aid

(814) 262-6454

financialaid@pennhighlands.edu

Information Technology Help Desk

(814) 262-6470

helpdesk@pennhighlands.edu

Library

(814) 262-6458

library@pennhighlands.edu

Registrar's Office

(814) 262-6439

registrar@pennhighlands.edu

Security & Safety

(814) 262-6427

security@pennhighlands.edu

Student Activities

(814) 262-6463

collegeevents@pennhighlands.edu

Student Success Center

(814) 262-6451

ssc@pennhighlands.edu

TDD Access

The PA Relay System at (800) 654-5988 may be used for TDD access to all locations.

Website

Pennsylvania Highlands Community College maintains an official website located at www.pennhighlands.edu. Current and prospective students are encouraged to visit the website frequently for College happenings and events, directories, and other important information.

Academic Calendar

Fall 2014

August 4

Fall Semester Tuition Due Date

August 25

15 Week and 1st 7 Week Classes Begin

August 25 - 30

Add/Drop Period for 15 Week and 1st 7 Week Classes

August 30

Last Day to Petition to Audit (15 Week and 1st 7 Week Classes)

September 1

Labor Day - College Closed

September 16

Late Start (12 Week) Classes Begin

September 16 - 22

Add/Drop Period for 12 Week Classes

September 19

Last Day for Student-initiated Withdrawal from a 1st 7 Week Class

September 22

Last Day to Petition to Audit (12 Week Classes)

October 13

Last Day of 1st 7 Week Classes

October 13 - 25

Priority Registration Period for Spring

October 17

Last Day for Student-initiated Withdrawal from a 15 Week Class

October 21

2nd 7 Week Classes Begin

October 21 - 27

Add/Drop Period for 2nd 7 Week Classes

October 27

Open Registration Begins for Spring

October 27

Last Day to Petition to Audit (2nd 7 Week Classes)

October 27

Last Day for Student-initiated Withdrawal from a 12 Week Class

November 1

Graduation Applications Deadline for Fall

November 11

Veteran's Day - College Closed

November 17

Last Day for Student-initiated Withdrawal from a 2nd 7 Week Class

November 25 - 29

Fall Break - No Classes

November 27 - 29

College Closed

December 15

Last Day of 15 Week, 12 Week, and 2nd 7 Week Class

December 15

Spring Semester Tuition Due Date

December 24 - 31

Holiday Break - College Closed

Spring 2015

January 1

New Year's Day - College Closed

January 12

15 Week and 1st 7 Week Classes Begin

January 12 - 17

Add/Drop Period for 15 Week and 1st 7 Week Classes

January 17

Last Day to Petition to Audit (15 Week and 1st 7 Week Classes)

January 19

Martin Luther King, Jr Day - College Closed

February 3

Late Start (12 Week) Classes Begin

February 3 - 9

Add/Drop Period for Late Start (12 Week) Classes

February 6

Last Day for Student-initiated Withdrawal from a 1st 7 Week Class

February 9

Last Day to Petition to Audit (12 Week Classes)

February 16

President's Day - College Closed

March 1

Graduation Applications Due for Spring

March 6

Last Day for Student-initiated Withdrawal from a 15 Week Class

March 9 - 21

Priority Registration Period for Fall

March 10

2nd 7 Week Classes Begin

March 10 - 16

Add/Drop Period for 2nd 7 Week Classes

March 16

Last Day for Student-initiated Withdrawal from a 12 Week Class

March 16

Last Day to Petition to Audit (2nd 7 Week Classes)

March 23

Open Registration Begins for Fall

March 31 - April 4

Spring Break - No Classes

April 3 - 4

College Closed

April 6

Last Day for Student-initiated Withdrawal from a 2nd 7 Week Class

May 4

Last Day of 15 Week, 12 Week, and 2nd 7 Week Class

May 4

Summer Semester Tuition Due Date

May 9

Commencement

Summer 2015

May 18

12 Week and 1st 6 Week Classes Begin

May 18 - 21

Add/Drop Period for 12 Week and 1st 6 Week Classes

May 21

Last Day to Petition to Audit (12 Week and 1st 6 Week Classes)

May 25

Memorial Day - College Closed

June 4

Last Day for Student-initiated Withdrawal from a 1st 6 Week Class

June 29

Last Day to Withdrawal from 12 Week Classes

June 29

Last Day of 1st 6 Week Classes

June 30

Graduation Applications Due for Summer

June 30

First Day of 2nd 6 Week Classes

June 30 - July 6

Add/drop Period for 2nd 6 Week Classes

July 6

Last Day to Petition to Audit (2nd 6 Week Classes)

July 16

Last Day for Student-Initiated Withdrawal from a 2nd 6 Week Class

August 10

Last Day of 12 and 2nd 6 Week Classes

Admission

Admissions Policy

Pennsylvania Highlands Community College grants admission to individuals who have successfully earned a high school diploma or a General Educational Development (GED) equivalency and who the College considers eligible to benefit academically from admission. Individuals age eighteen or older who have not earned a high school diploma or GED equivalency may be admitted to the College if they are able to demonstrate their ability to benefit from a college experience. After successful completion of thirty (30) credits, students may be able to apply for a Commonwealth Secondary School Diploma through the Pennsylvania Department of Education. Certain academic majors may have additional admissions requirements which must be fulfilled in order for an individual to matriculate to pursue a specific degree, diploma, or certificate.

Matriculation

Matriculation indicates that a student has been formally accepted to the College and is pursuing a degree, diploma, or certificate. To become matriculated a student must complete the admissions process, declare a major, and work with an academic advisor. To earn a degree, diploma, or certificate from Pennsylvania Highlands Community College, a student must complete the matriculation process. Only matriculated students are eligible for financial aid.

Admissions Policy for Matriculated Students

In order to attend Pennsylvania Highlands on a full-time basis, a student must be admitted to the institution. Students not admitted to the College are limited to only attend part-time.

Process for Degree, Diploma, or Certificate Seeking Students

1. Prospective students are encouraged to contact the Admissions Office by telephone, office visit, or email to discuss programs, majors, financial aid, and educational goals. This helps to provide complete and thorough information about the College and ensure accuracy in the application process.
2. Prospective students are required to complete an Application for Admission and remit a \$20 non-refundable application fee. An online application is available via the College's website, just click on the "Apply Online" button.
3. An official copy of the high school transcript or GED scores must be sent to the Admissions Office. Students who apply during their senior year of high school must also have an official copy of their final transcript sent upon graduation.
4. Applicants with prior college credit must have official copies of transcripts sent from all institutions attended.
5. Upon completion of the application process, an acceptance letter will be issued and students will be required to complete placement testing to measure proficiency in English, reading and mathematics. This requirement may be waived for students who have successfully completed prior equivalent college credits in these areas, have SAT scores of at least 500 in writing, reading, and math, or by other means as determined by College administration.
6. Upon receipt of placement scores, students will be eligible to register for classes.

Process for Non-Matriculated Students

Students who choose not to seek a degree, diploma, or certificate are considered to be non-matriculated students. Examples of prospective students in this category are those attending the College for personal enrichment and visiting students completing credits for transfer to their home institution.

1. Prospective students are required to complete a Non-Matriculation Form and remit a \$20 non-refundable processing fee. The form is available online via the College's website, just click on the "Apply Online" button.
2. Non-matriculated students are not required to submit transcripts.
3. Non-matriculated students are only required to complete COMPASS testing when planning to enroll in English or mathematics courses. This requirement may be waived for students who have successfully completed prior equivalent college credits in these areas.
4. Upon submission of the form and fee, non-matriculated students are eligible to register for classes.
5. Non-matriculated students are only permitted to register for a part-time credit load and are not eligible to receive financial aid.

Declaring a Major

Matriculated students must declare a major on the initial *Application for Admission*. Some programs of study have additional, specific admission requirements.

Admission of High School Students

High school students may complete courses at Pennsylvania Highlands during their junior and senior years to earn early college credits. In addition to completing the non-matriculated student application process, prospective students in this category must submit a recommendation from their high school principal or guidance counselor. This process must be repeated for each semester in which a student intends to enroll while they are in high school. High school students who wish to enroll in English or mathematics courses must complete placement testing via the processes noted above prior to registration to ensure they have had adequate preparation for college-level coursework.

Readmission

Matriculated students who previously attended Pennsylvania Highlands but have not completed coursework for two consecutive semesters must apply for readmission to the College. Payment of the application fee is not required for students applying for readmission.

Advanced Placement Admission

Pennsylvania Highlands Community College maintains articulation agreements with numerous secondary schools. Students who have attended these schools may be eligible for advanced placement credit in our programs. Prospective students from these schools are encouraged to work with their guidance counselors to formulate a plan for earning advanced placement credit. Additional information on this program may be obtained by contacting the Admissions Office.

Admission of International Students

Pennsylvania Highlands Community College welcomes applications from international students. These students are required to complete the Admissions process three months prior to the semester in which the applicant plans to enroll. In addition, the student must submit a copy of his/her VISA to the Admissions Office. Please note that Pennsylvania Highlands does not assist international students with obtaining a student visa. International students are treated as non-residents of the State of Pennsylvania with respect to tuition and fees. Questions regarding the acceptance of international students should be directed to the Admissions Office.

Pennsylvania Highlands may require the following information from an international student seeking admission:

- A certified copy of the original educational records to include all previous academic experiences.
- The Test of English as a Foreign Language (TOEFL) Scores.
- Financial Statement indicating the student has sufficient funds to cover tuition and fees.
- Student Medical Form completed and signed by a physician.
- Responsibility Statement from a United States Citizen stating that the citizen agrees to accept responsibility for sponsoring and assisting the applicant in completing his/her educational objective.

Registration

Registration is the process of selecting courses and completing the necessary processes to have the selections entered into the College records. Payment for all related charges must be made by the tuition due date specified for the semester.

Dates for registration periods are listed in the Academic Calendar.

Unit of Credit

Pennsylvania Highlands Community College awards credit hours based on the semester hour system. Credits are based on attendance in a specified number of lecture or laboratory hours. The number of credits assigned to each course is provided within the course descriptions.

Freshman / Sophomore Student Designations

Students who have successfully completed 1 to 24 credits are considered to be freshmen-level. Students who have successfully completed 25 or more credits are considered to be sophomore-level.

In-County Student / Out-of-County Student Designations

The legal residence of the student determines tuition rates. Residence is defined as the place where the student lives and which is the student's permanent residence. A student who temporarily moves to attend the College will not be considered as having established a bona fide residency.

- **Cambria County:** In-county tuition rates will be charged for any student whose legal residence is within the boundaries of Cambria County.
- **Regional:** Regional tuition rates will be charged to students whose legal residence is within the boundaries of Blair, Bedford, Somerset, Huntingdon, and Fulton Counties.
- **Out-of-County:** Out-of-county tuition rates will be charged to students whose legal residence is located within Pennsylvania but outside the boundaries of Cambria, Blair, Bedford, Somerset, Huntingdon, and Fulton Counties.
- **Out-of-state:** Out-of-state tuition rates will be charged to students who have not established legal residence within the state of Pennsylvania.

In-state students must establish legal residence at least ninety days prior to the start of the semester. Students relocating to the state of Pennsylvania must establish legal residence within the state at least one-year prior to the start of the semester.

Reclassification of Residency

Prior to or at the time of registration, a student whose tuition would be affected by a change in residency must present proof of their actual address. Proof of residency must be submitted to the Dean of Enrollment Services and Registrar before the start of the semester.

Tuition rates start the first day of the semester. Tuition rates may change if false information is given or if information is entered incorrectly in the College database.

Any student who changes residence during a semester will not have his/her tuition adjusted during the semester, but may be subject to such adjustments during following semesters.

To Prove Residency a Student Must Provide One of the Following:

- Current property tax receipt showing name, address, county or school district.
- Current Pennsylvania Drivers License with an issue date at least 90 days prior to the start of the semester.
- Proof of payment of local wage tax showing name and address.
- Electric bill with name, address, and date of 90 days prior to the start of the semester or one year for out-of-state students.
- A notarized letter from the landlord, family member, or companion stating the beginning date of continuous occupancy. A current notarized letter must be submitted each semester with the registration form.

Penalties for Misrepresenting Residency

- A student's account will be adjusted and the student will be required to pay the corrected amount.
- If the student fails to pay the corrected amount of tuition, the student will be prohibited from registering for future classes until the amount due is paid.
- No release of grades, transcripts, degrees, diplomas, or certificates, will occur until the student's account is paid in full.
- The student may be referred to the legal system for fraud, which is a felony punishable in criminal court under Pennsylvania Law.

Academic Year

The College defines an academic year as 24 credits and 30 weeks for all forms of financial aid. Fall and spring semesters are typically comprised of 15 weeks of formal instruction. The summer term is generally 12 weeks in length. See the Academic Calendar for additional information.

Maximum Course Load for Students

Pennsylvania Highlands has established maximum credit loads for our students based on semester length. For 15-week terms, students are permitted to register for up to 18 credits. For shorter terms the maximums are as follows: 12 credits for 12-week terms, 9 credits for 7-week and 6-week terms, 6 credits for terms shorter than 6 weeks. These maximums were created to provide the best opportunity for students to achieve academic success. Students who wish to register for credits above the maximums established are required to obtain written approval from an academic advisor and the Vice President and Dean of Academic Affairs.

Change of Major

Students who wish to change their major must complete a *Change of Major Form*. A change of major may require a change in the assigned academic advisor. This form may be obtained in the Registrar's Office or via the myPEAK portal.

Change of Address

It is the student's responsibility to notify the College of changes in residency or contact information. The student must notify the Registrar's Office of any changes by updating their information on the myPEAK portal or by submitting a completed Change of Student Information Form.

Public Information Regarding Students

The College has designated the following student information as public or "Directory Information." Such information may be disclosed by the College at its discretion to individuals, agencies, and institutions for purposes relating to activities approved by and associated with Pennsylvania Highlands Community College. This information may be released without the prior consent of a student.

- Name
- Address
- Phone Number
- College-issued email address
- Program of study
- Dates of attendance
- Degrees and awards received
- Participation in officially recognized sports and activities

Currently enrolled students have the right to withhold disclosure of all (not partial) categories of public information. To withhold disclosure, written notification must be received in the Registrar's Office prior to the end of the second week for the semester or summer session in which the withholding of Directory Information is to take effect. Students are cautioned that withholding information can have adverse consequences when we are unable to verify attendance or degrees to agencies, insurance companies, or prospective employers. Former students and alumni are not covered under the Family Educational Rights and Privacy Act of 1974. Therefore, the College is not obligated to honor requests for non-disclosure of public information from former students.

Schedule Changes

In some instances, students may opt to make changes in their schedules once they have been officially registered. Exchanging a scheduled course for another may be done prior to the end of the official Add/Drop Period via the myPEAK portal or by completing an *Add/Drop Form*.

Prerequisites

Certain classes may have prerequisite coursework assigned to them to ensure adequate preparation for the material to be presented. Students who opt to pursue registration in a course without prior completion of the prerequisites must complete a *Course Prerequisite Waiver Form*. These requests require the approval of the Dean of Instruction.

Adding/Dropping Classes

Once a semester begins, students may make changes to their schedule through the myPEAK portal or by completing and signing an *Add/Drop Form*. These forms may be obtained online at the College's website. Students who wish to add or drop a course must do so within the Add/Drop period designated by the College each semester. The date used to drop is the date the change is made via the myPEAK portal or the date the form is submitted to the Registrar's Office. Students should consult their academic advisor before dropping a course. Schedule changes may also impact a student's financial aid eligibility.

No course can be added after the Add/Drop period is over except in special circumstances as determined by the Vice President of Academic Affairs and Student Services in consultation with the faculty member.

Repeating Courses

A student may repeat a course in which he or she earns a D or F. Students may repeat a course twice. The student's transcript will continue to carry all grades earned in the course. Only the last grade earned will be used in the calculation of the student's grade point average.

Grade Reports

At the end of each semester, students may view their grades via the myPEAK portal. Students with an outstanding financial obligation will not have access to their grades until the obligation has been satisfied through the Bursar's Office.

Course Audit

Pennsylvania Highlands Community College seeks to encourage students and members of the general public to see learning as a life-long endeavor. Participation in continuing education can enrich the lives of young and old alike by opening opportunities to develop new friendships, new perspectives, and new skills.

Auditing a course is just one of the many ways individuals can participate in continuing education at Pennsylvania Highlands. Course auditors do not receive a grade or credit for the class and the level of participation such as completion of exams, papers, projects, etc. is usually negotiated between the student and the instructor.

Those wishing to audit a course must complete and return a *Request to Audit Form* to the Registrar's Office. This form must be submitted prior to the end of the Add/Drop period of the semester. Once the form has been submitted and processed, audit status cannot be changed. Permission to audit will only be granted if there are seats available in the course. Audit students will be on Stand-by Status until the end of the Add/Drop Period. Once the Add/Drop period is over and seats are available the audit student's status will be finalized.

Students who elect to audit a course will be assessed a special audit rate. Students age 55 and older may audit a course at a significantly reduced "Senior Audit" rate. The student is responsible for payment of any fees associated with an audited course.

Verification of Enrollment

Currently enrolled students may obtain verification of their enrollment status via the myPeak portal.

Transcripts

The College provides two options for requesting a transcript. Transcripts can be ordered and sent electronically through the College's website via Docufiled for a \$3.00 per transcript charge payable to Docufiled. Alternatively, students may obtain a paper transcript free of charge by completing The *Transcript Request Form* available online at www.pennhighlands.edu or at the Registrar's Office. Telephone requests will not be honored. Official transcripts will be mailed or emailed directly to the recipient indicated on the form. Copies of transcripts hand-delivered to students will be considered unofficial. Unofficial transcripts may be obtained via the myPEAK portal.

Withdrawal Process

Students who wish to withdraw from a course after the end of the Add/Drop period must complete an *Add/Drop Form*. In no case should a student rely on a verbal statement as evidence of withdrawal. Official withdrawal requires the student's signature. The completed *Add/Drop Form* must be submitted to the Registrar's Office. Non-attendance does not constitute official withdrawal.

- A student who withdraws from a class after the Add/Drop period or before the end of the 8th week of a 15-week semester; 6th week of a 12-week semester; 4th week of a 7-week semester; 3rd week of a 5-week semester; 8th day of a 3-week semester; 3rd day of a 1-week semester, will receive a "W" for the final grade.
- A student is not permitted to withdraw from a class after the 8th week of a 15-week semester; 6th week of a 12-week semester; 4th week of a 7-week semester; 3rd week of a 5-week semester; 8th day of a 3-week semester; 3rd day of a 1-week semester, and will receive a final grade as assigned by the instructor.

A student may withdraw from a course after the withdrawal period and not receive a "F" as a final grade, only when the following two conditions exist:

- The student is passing the course with a grade of "C" or better at the date of withdrawal.
- A written appeal detailing extenuating circumstances has been submitted to the Dean of Enrollment Services and Registrar. The appeal must then be approved.

Students who withdraw from a class under the above conditions will receive a "W" for a final grade.

Total Semester Withdrawal

Students who wish to withdraw from all courses after the Add/Drop period of the semester, but before the deadline for Withdrawal must complete and sign a Total Semester Withdrawal Form. A "W" grade will be assigned for the withdrawn course(s).

Students who are not physically capable of completing the Total Semester Withdrawal Form may withdraw orally by contacting the Dean of Enrollment Services and Registrar who will then complete the withdrawal form on the student's behalf.

Involuntary Withdrawal

The College reserves the right to cancel a student's registration at any time for just cause, whether financial, academic, or disciplinary. Eligibility for refund of tuition and fees will be determined by the tuition refund policy.

Medical Withdrawal

Students who experience serious medical issues following the withdrawal period may request a medical withdrawal. Medical Withdrawal Request forms may be obtained by contacting the Registrar's Office. Completed forms must be submitted with proper medical documentation and must be received prior to the end of the semester. Dates provided on medical documentation and the date of the request submission will be considered when evaluating Medical Withdrawal Requests. Prior to returning to the College after an approved Medical Withdrawal, a student must meet with and receive approval from the Vice President for Student Services.

In order to be considered for a medical withdrawal, students must meet the following requirements:

- Passing semester courses with a grade of "C" or better at the date of withdrawal.
- Provide a written summary of the medical circumstances which are preventing the completion of the semester.

Military Tuition

Active duty military personnel stationed in Cambria County and their authorized family members will receive Cambria County Resident tuition rates. To qualify for these tuition rates, the student must submit a copy of appropriate military orders and a *Verification of U.S. Armed Forces Assignment Form* to the Bursar's Office on an annual basis.

Military Leave

A student who is called to active duty during the semester and provides a copy of appropriate military orders may choose one of the following options:

1. A student may choose to do a total semester withdrawal from all of his/her classes, and receive a full refund for tuition and fees. This option requires that the student withdraw from every course and receive no grade for any course taken during the semester. Any student who has elected to use this option may be readmitted for the next semester in which the student wishes to return. The student's academic standing at the time of readmission shall remain as it was prior to the call to active military duty.
2. If a substantial part of the semester has been completed by the student and the student is called for active military duty, the student may meet with each instructor to determine an appropriate course of action. An incomplete grade may be assigned with an extended time period for completion.

Course Cancellation

The College plans to offer all courses as advertised in the Course Schedule. In the event that a course must be cancelled, each student registered will be notified. Students will be encouraged to meet with an academic advisor to enroll in an alternative course which will meet graduation requirements. The College does not guarantee the availability of an alternative course solely on the basis of individual convenience or preference.

Bursar's Office

Tuition

Information regarding current tuition and fees is available by accessing the *Tuition and Fee Schedule*, available online at www.pennhighlands.edu/tuition. A copy of the schedule may also be obtained from the Bursar's Office. Tuition and fees are subject to change.

Tuition rates are based on legal residency as follows:

- **Sponsored Rate:** Residents of Cambria County
- **Non-Sponsored:** Pennsylvania residents living outside of Cambria County
- **Out-of-State Rate:** Non-Pennsylvania residents

Fee Information

Comprehensive Services Fee

The Comprehensive Services Fee will be charged to all students enrolling in credit courses. This fee supports the non-academic services provided to students and covers expenses related to graduation, activities, transcript requests, etc.

Experiential Learning

Students requesting college credits for experiential learning will be charged a fee for a portfolio assessment/evaluation for each Pennsylvania Highlands course for which they seek college credit.

Lab/Materials Fees

Some courses require additional fees, often labeled laboratory fees, which cover special costs including insurance, equipment and materials, software usage, and special testing.

Tuition and Fees Per Credit

All students will be charged per credit for tuition and comprehensive services fee. Students registered for ACE courses or developmental classes offered during the Summer Semester will be charged a reduced rate. Please see the tuition and fees schedule at www.pennhighlands.edu.

Books and Supplies

Textbooks and other supplies are available through the College bookstore located at the Richland Campus. Students should consult the website for bookstore hours of operation. For additional information call 814-262-6453.

Third Party Funding

Students whose tuition and fees are funded through a third party, such as a business or agency, must have written documentation from the group responsible for tuition payment. A copy of this documentation must be provided at the time of registration or must be on file in the Bursar's Office. The student is responsible for meeting all the terms of agreement specified by the paying party. If a student does not fulfill the terms required by the paying party, the College will hold the student responsible for payment of all tuition and fees.

Letter of Intent

The Letter of Intent identifies a student's method of payment and must be submitted with his or her registration for the first semester attended each academic year. It is the student's responsibility to notify the Bursar's Office of payment method changes.

Payment of Tuition and Fees

Students become responsible for tuition and fees at the time of registration. All financial arrangements for your tuition and fees must be made on or before the tuition due date for each semester or your registration may be cancelled.

In order to finalize your registration each semester you must have one of the following payment methods in place in the Bursar's Office by the tuition due date each semester:

Payment of Balance in Full - The College accepts cash (only at the Richland Campus), check, money orders, Mast, and VISA as methods of payment. Payments may be made at the Bursar's Office during regular business hours. Credit or debit charges may also be made via the telephone at (814) 262-6437.

Online Payment - Students can make payments online by accessing the Bursar's Page on the myPEAK student portal (<http://my.pennhighlands.edu>).

Approved Financial Aid - It is the responsibility of the student who intends to use financial aid to cover their student account balance to complete all parts of the financial aid process by the deadlines established by the Financial Aid Office. Costs not covered by financial aid are the responsibility of the student and must be paid on or before the tuition due date.

Payment Plan - Successful enrollment in our payment plan requires a completed agreement, payment of a \$25.00 enrollment fee and payment of your first month's payment. Additional information regarding the payment plan may be obtained by contacting the Bursar's Office at (814) 262-6437.

Proof of Third Party Direct Payment - Students whose tuition and fees are funded through a third party, such as a business or agency, must have written documentation from the responsible third party submitted to the Bursar's Office upon registration or by the tuition due date.

Payments can be made in person only at the Bursar's Office at the Richland Campus. Students can make payments online by accessing the Bursar's Page on the myPEAK student portal (<http://my.pennhighlands.edu>). Payments may also be mailed to:

Bursar's Office
101 Community College Way
Johnstown, PA 15904

Refund of Tuition Policy

Pennsylvania Highlands Community College has a refund policy whereby a portion of the tuition will be credited to the student's account if he/she officially drops a course during a designated refund period. Dropping courses or withdrawals are considered official only after the required forms have been signed, submitted to the Registrar's Office and processed. Non-attendance in classes does not constitute official withdrawal from the College.

A student is eligible for a refund if:

- The College has cancelled his or her class. Refund checks will be automatically mailed to address on file with Registrar's Office after the Add/Drop period for those students unable to reschedule a cancelled class.
- He or she has officially dropped a class during a designated refund period. A refund check will be automatically mailed to the address on file with the Registrar's Office after the Add/Drop period.

Refund Procedures

For courses of fifteen weeks or longer:

Students who officially drop through the first week of a course may be eligible to receive a 100% refund. Students who officially drop during the second week of a course may be eligible to receive a 25% refund. Students who officially drop during the third week of a course may be eligible to receive a 10% refund. There are no refunds after the third week of a course.

For courses less than fifteen weeks:

Students who officially drop through the first week of a course may be eligible to receive a 100% refund. Students who officially drop between the end of the first week and the 20% point of a course may be eligible to receive a 25% refund. There are no refunds after the 20% point of a course.

Student Financial Obligations

Students must satisfy all financial obligations with the College in order to graduate. Students with outstanding balances will not be able to obtain an official transcript or enroll in subsequent semesters until all financial obligations are settled to the College's satisfaction.

Form 1098-T

IRS Form 1098-T is an information form, filed with the Internal Revenue Service, which reports qualified education expenses for students who were enrolled during a calendar year. This information is intended to assist taxpayers with determining the amount, if any, of education-related income tax credits or deductions they may be able to claim on their tax return. Pennsylvania Highlands Community College cannot provide tax advice. If you need assistance in determining how to report information from Form 1098-T on your tax return, please refer to IRS Publication 970 (available at www.irs.gov), or consult a licensed tax preparer. Students have the option of receiving the 1098-T electronically or via mail by logging into the myPEAK portal and selecting the 1098-T link. Students that consent to receiving the 1098-T form electronically may log on to the Bursar's Office page of the myPEAK portal and print a copy of their 1098-T form. Students that revoke consent to receiving the 1098-T form electronically will receive a 1098-T form via U.S Mail to their address on file with the Registrar's Office.

Financial Aid

How and When to Apply for Financial Aid

Applying for aid requires that the student submit a Free Application for Federal Student Aid (FAFSA) online at www.fafsa.gov. A new application must be completed each academic year and is based on the prior year's tax information. Students are advised to meet priority deadlines to ensure that all steps in the process are completed prior to the beginning of each semester.

Only those classified as matriculated students (the Department of Education defines these as "regular" students - who are enrolled or accepted for enrollment for the purpose of obtaining a degree, certificate or diploma) are eligible to receive aid from the programs described herein. Non-matriculated students are not eligible to receive financial aid.

How Aid is Awarded and Paid

Financial aid is awarded in accordance with policies and procedures established by the College in conjunction with Federal and State regulations. Each student is given careful consideration consistent with the institution's Affirmative Action/Equal Opportunity Statement and governmental guidelines.

Most federal, state and institutional aid awards are based on financial need. Financial need is the difference between Expected Family Contribution (EFC), as determined by the results of the FAFSA, and the cost of attendance, which includes amounts for tuition, fees, books, transportation, living expenses and personal expenses.

Typical financial aid packages may consist of grants, loans, scholarships and work-study. Students with high financial need are first awarded gift aid, including grants and scholarships, and then are awarded self-help aid such as work-study and loan funds. Students with unusual circumstances may contact the Financial Aid Office to request a review of the EFC calculation used to determine financial need. Financial Aid funds are credited to the student's account at the 60% mark of the semester and the Bursar's Office deducts the cost of tuition, fees, and other related expenses. Once aid is processed, the student will receive notification from the Bursar's Office of any excess funds and the process for refund distribution.

Referring Overpayment Cases to the Department of Education

The Financial Aid Department disburses Title IV aid electronically to the College's Bursar's Office at the 60% mark of the semester. As a result, overpayments are typically resolved by this time; however, should an overpayment occur, the following process has been established to report overpayment cases to the Department of Education:

- The student is sent written notification. This notification explains the nature of the overpayment and options for student repayment. These options include pay off the overpayment in full to the school or indicate intent to negotiate repayment arrangements with Borrower Services - Debt Resolution Services. The student is given a 30-day timeframe to comply. If the student does not respond to the initial notification within two weeks, a follow up letter is sent.
- The student who does not satisfy the requirements of his/her payment agreement with the school, fails to contact the school during the designated time frame, fails to pay the overpayment in full or enter into a repayment arrangement will be reported online to NSLDS and referred to Borrower Services before the 45-day period designated for reporting overpayments has elapsed.
- The student is sent written notification that their overpayment status was reported to NSLDS and referred to Debt Resolution Services.

Financial Aid Academic Progress

The Higher Education Act requires that a student maintain satisfactory academic progress in the course of study he/she is pursuing in order to receive financial aid under the student financial assistance programs authorized by Title IV of the Act. These programs include the Federal Pell Grant, FSEOG, the Federal Work-Study Program, and loans under the William D. Ford Direct Loan Program. The Financial Aid Academic Progress Policy requires that students maintain a 2.0 grade point average (GPA), in accordance with the College's academic standing policy, successful completion of at least two-thirds (67%) of all attempted credits and program completion within a 150 percent of the published length of the program.

In compliance with current federal regulations, the Financial Aid Office:

- Checks student academic progress at the end of the fall, spring, and summer semesters.
- Includes all withdrawals and incompletes as non-completed course work, which will affect financial aid academic progress. Courses with an "I" (incomplete), "W" (withdrawal) or an "F" grade will be considered as courses attempted but not successfully completed.
- Includes transfer credits as credits attempted.
- Includes credits earned in developmental courses as credits attempted.
- Notifies students of financial aid "warning" status. Students on warning risk losing their financial aid eligibility due to insufficient progress.
- Notifies students of financial aid "suspension" status. Students on suspension are not eligible to receive Title IV financial aid.
- Provides a process for appeal of financial aid "suspension" status. Students are able to file an appeal on a one-time basis only. Students who have their appeal approved will be placed on "probation" status and will have a single semester of aid eligibility during which they will be expected to meet all requirements for satisfactory progress.
- Students not meeting progress requirements in accordance with Financial Aid Academic Progress may re-establish eligibility to receive Title IV assistance by enrolling at their own expense until they obtain the quantitative and qualitative measurements under the policy.

Conditions for receiving financial aid:

- Students must demonstrate that they are qualified to enroll in postsecondary education by having an earned high school diploma or GED.
- Students must be enrolled or accepted for enrollment as a matriculated student working toward a degree, certificate or diploma.
- Students must meet satisfactory academic progress standards in accordance with the College's academic standing policy and the Financial Aid Academic Progress Policy.
- Students are expected to attend classes and do the work. Mid-semester grades will be monitored. Students not making satisfactory academic progress AND found as not attending classes may be subject to a reduction or elimination of financial aid assistance.
- Students must be a U.S. citizen or eligible non-citizen with a valid social security number.
- Students sign a statement on the FAFSA or FAFSA Renewal that certifies that they will use federal student aid for educational purposes only.
- Male students ages 18 through 25 must comply with Selective Service Registration.
- Students cannot be in default on a federally funded loan or owe a refund on a federal student grant.
- Students who change majors will be allotted the amount of time needed to complete the new program without regard to time spent in previous course work provided the student was making financial aid academic progress at the time of change.
- Students may receive financial aid for repeated courses only if the original grade in the course was below a "C".
- Students may not receive financial aid for audited courses.
- Students must be enrolled for at least six credit hours for most financial aid programs. Students are limited to 12 semesters of full-time/lifetime PELL grants.
- Students applying for a Federal Direct Stafford Loan must complete Direct Loan Entrance Counseling regarding the rights and responsibilities of the student borrower and a Master Promissory Note (MPN).

NOTE: Students who have received federal student loans will receive loan exit counseling if they are graduating, leave school, or enroll less than half time. The exit process provides information about the rights and responsibilities of a borrower entering repayment of federal student loans.

Return of Title IV Funds Policy

All students receiving financial aid and withdrawing from the College should contact the Financial Aid Office prior to withdrawing to determine the impact on their financial aid. Federal regulations require a Return of Title IV Funds calculation for students who receive federal financial aid and withdraw completely at or before the 60% period in the semester. The withdrawal calculation will be performed based on the number of semester days completed. Students who complete more than 60% of the term will receive 100% of their federal financial aid.

The consequences of withdrawing may result in a student having to return a portion of his/her unearned federal financial aid and owing tuition, fees or other related charges to the College. The order of return is Unsubsidized Federal Direct Stafford Loans, Subsidized Federal Direct Stafford Loans, Federal Direct PLUS loans received on behalf of the student, Federal Pell Grants, and FSEOG.

Return of Title IV Funds examples may be obtained by visiting the Financial Aid Office.

NOTE: If at mid-semester, a student has all "F" grades, the Financial Aid Office will assume the student stopped attending all classes. A Return of Title IV Funds calculation will be performed to determine earned aid. The student will be financially responsible for any remaining balance due to the Department of Education and/or the College. The Financial Aid Office will mail a Return of Title IV Funds Award Notification to the student. The student will have the opportunity to provide proof of attendance, at which time the Financial Aid Office will reevaluate earned aid. If it is determined that the student never attended any classes, the student is not entitled to receive Title IV Funds.

Verification Policy/Procedure

When a student submits the *Free Application for Federal Student Aid (FAFSA)*, the Central Processing System (CPS) may select some applications received for a process called "verification." The Financial Aid Office also reserves the right to select any file for verification that appears to have conflicting or incorrect information listed. When a FAFSA application is selected for verification the Financial Aid Office will notify students via their College email and will mail the notification to potential students. This notification outlines the requirements and documentation that students must provide to complete the verification process.

Students are required to return the required documents within a 10-day time frame. However, a student has up to 120 days from the last date of enrollment or the deadline date published in the Federal Register applicable for the academic year, whichever comes first, to submit paperwork. Should a student fail to submit the required documents by the deadline, they will be responsible for any charges acquired for the academic year. The Financial Aid Office will make any necessary corrections and updates to the information on the Student Aid Report electronically. Upon completion of the verification process an Award Notification will be sent via the students' College email and will be mailed to potential students.

Financial aid will not be determined until the student has completed the verification process, has a valid Student Aid Report, and complete any/all additional steps as determined by the Financial Aid Office.

NOTE: Students not selected for verification who need to make corrections to their Student Aid Report (SAR) may:

- Make corrections online at www.fafsa.gov.
- Make corrections to SAR at the Financial Aid Office.
- Make corrections to their original SAR and mail to Federal Student Aid Information Center for processing.

Financial Aid Programs

Federal Pell Grant

Pell Grants are the foundation of federal student financial aid to which aid from other federal and non-federal services may be added. This grant is awarded to undergraduate students who have financial need to assist with tuition, fees and book expenses.

The proposed maximum award for the 2014-2015 academic year is \$5,730. There is a lifetime limit of 12 full-time Pell awards.

Federal Supplemental Educational Opportunity Grant (FSEOG)

This grant is awarded to undergraduate students with exceptional financial need. Priority is given to Federal Pell Grant recipients.

The maximum award for the 2014-2015 academic year is \$400.

Pennsylvania State Grant (PHEAA)

The basic eligibility requirements for receiving this grant are determined by PHEAA. The grant is available to Pennsylvania residents who have not yet earned a bachelor's or professional degree, are a U.S. high school graduate or the recipient of a GED, are enrolled for at least six credits in a degree-seeking program, demonstrate financial need according to the PHEAA needs analysis formula and meet the application deadline by filing the Free Application for Federal Student Aid (FAFSA) by May 1 of the academic year student is attending.

PHEAA State Grant award notices should be considered as estimates. Even after the student receives a PHEAA State Grant award notice, PHEAA requires the College to conduct additional eligibility checks. PHEAA will send the College an official listing of all students awarded State Grants at the beginning of each semester (including Summer). State Grants will be posted to financial aid awards after eligibility is confirmed. More information on school certification eligibility requirements, including the impact of remedial and online classes, is available on the myPEAK financial aid link and pheaa.org.

Students are limited to receive 4 years (8 full-time or 16 part-time semesters) of State Grant aid in their lifetime. (PHEAA permits students enrolled in a two-year program to receive a maximum of 2 years of full-time State Grants).

Federal Work Study Program

This program is available to eligible students who have financial need and who wish to work part-time while enrolled at Pennsylvania Highlands. The Federal College Work-Study is awarded on a first-come, first-serve basis. Additional information is available through the Financial Aid Office.

Federal Direct Stafford Student Loan Subsidized

This is a loan which must be repaid after the student graduates or fails to enroll for at least six credits in a semester. The loan is awarded on the basis of financial need and interest will not be charged while enrolled at least half-time. Completion of Direct Loan Entrance Counseling and a Master Promissory Note (MPN) are required.

Federal Direct Stafford Student Loan Unsubsidized

This is a loan which must be repaid after the student graduates or fails to enroll for at least six credits in a semester. This loan is not awarded on the basis of financial need and interest accrues from the time the loan is disbursed until it is paid in full. Interest may be capitalized upon request. Completion of Direct Loan Entrance Counseling and a Master Promissory Note (MPN) are required.

Direct PLUS Loan

Direct PLUS loans are loans that parents can obtain to help pay the cost of education for their dependent undergraduate children. Direct PLUS loans must be repaid. **Only those classified as a matriculated student (one who is enrolled or accepted for enrollment for the purpose of obtaining a degree, certificate or diploma) are eligible to receive aid from the programs described herein. Non-matriculated students are not eligible.*

Veterans Benefits

Pennsylvania Highlands Community College is committed to assisting veterans, guard members/reservists, military families and dependent/survivors, eligible to receive Department of Veterans Affairs (VA) education benefits, to reach their educational goals. As a Military Friendly College, we strive to deliver the best experience for our military students and their families. Additional information is available in the Financial Aid Office

Applying for Benefits:

- **First Time Applicants:** Chapters 30, 1606, 1607 and Post 911 (CH33) - Student must complete VA form 22-1990 online at www.benefits.va.gov/gibill/. and print a completed copy before submitting electronically. NOTE: National Guard and Reservists must submit a DD2384, Notice of Basic Eligibility (NOBE) form available from your unit along with the VA form 22-1990. Chapter 35 (dependent/survivors) complete VA form 22-5490.
- **Transferring Schools/Changing Programs:** Chapters 30; 1606; 1607 and Post 911 (CH33) - Complete VA form 22-1995 online at www.benefits.va.gov/gibill/ and print a copy before submitting electronically. Chapter 35 (dependent/survivors) complete VA form 22-5495.
- **Tuition Assistance for Active Duty:** Have your branch specific Education Services Officer certify your application for tuition assistance.

Activating Benefits as a New Student:

- Apply for admission to Pennsylvania Highlands Community College: Submit all transcripts from previous colleges you have attended and military training that can be evaluated for transfer credit to: Pennsylvania Highlands Community College Admissions Office, 101 Community College Way, Johnstown, PA 15904
- You can find your military transcript at:
 - ARMY: American Council on Education Registry Transcript System (AARTS) <http://aarts.army.mil>
 - NAVY/MARINE: American Council on Education Registry Transcript System (SMART) <http://smart.navy.mil/smart/welcome.do>
 - AIR FORCE: Community College of the Air Force Transcript Request Forms (CCAF) <http://au.af.mil/au/ccaf/transcripts.asp>
- Complete placement testing, if necessary.
- Register for classes.
- Submit copies of your DD-214, Certificate of Eligibility and/or NOBE to the Financial Aid Office.

To Request Your Military Records Online

- Go to www.archives.gov and click "Military Services Records", and follow the instructions; or
- Go directly to the Military Service Records page of the National Archives at www.archives.gov/veterans/military-service-records/get-service-records.html.

Third Party Billing for Military Service Members

- **Federal Tuition Assistance (FTA):** Army National Guard and Reserves. Must apply through unit of assignment for each semester. Provide approval paperwork to Financial Aid Office, VA Certifying Official. Pennsylvania Highlands will invoice for tuition and fees.
- **Educational Assistance Program (EAP):** National Guard. Must apply through unit of assignment each academic year. Contact the Financial Aid Office each semester to confirm EAP status.

General Guidelines

- Student must be enrolled in a program of study leading to a degree, diploma or certificate.
- All funded courses must apply to the student's program of study and be necessary for graduation in order to be certified.
- Students must notify the VA Certifying Official of any changes to their schedule. (Veteran is responsible to repay any overpayment that may occur because of a change in their schedule).
- Students will not receive payment for any course repeated that they received a "D" or better for the first time.
- Students changing programs must complete and submit a "Change of Place or Program" to the VA Certifying Official prior to receiving any future benefits.

Academic Progress for Veterans/Soldiers

Veterans/Soldiers must maintain satisfactory academic progress. The school is required to report those who do not maintain progress to the VA.

Types of Financial Aid

TYPE OF AID	SOURCE	AWARD AMOUNTS	WHO IS ELIGIBLE TO APPLY	APPLICATIONS REQUIRED	*FINANCIAL AID OFFICE PRIORITY DEADLINES
Pell Grant	Federal Government	Proposed yearly award ranges from \$400 to \$5,730 as determined by a federal formula. Based on financial need. Students are limited to 12 semesters of full time Pell award in their lifetime.	Generally awarded to undergraduate students enrolled in at least 6 credits. Recipients must maintain satisfactory financial aid progress.	Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal	April 1st
FSEOG	Federal Government	Yearly award may range from \$200 to \$400 as determined by a federal formula. Based on financial need. Federal Pell Grant recipients receive priority for FSEOG awards	Generally awarded to undergraduate students enrolled in at least 6 credits. Recipients must maintain satisfactory financial aid progress.	Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal	April 1st
Pennsylvania State Grant	State of PA	Yearly awards are determined by PHEAA. Students are limited to 4 full time state grants at a community college and 8 semesters of full time state grants in their lifetime. (The number of remedial and online classes impact eligibility.)	Full-time or part-time (at least 6 credits) student enrolled in two-year associate degree program, a U.S. citizen, PA resident, U.S. high school graduate (or equivalency standards in accordance with PHEAA) or GED recipient. Must meet PHEAA progress guidelines.	Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal	By August 1 (new students) By May 1 (returning students)
Direct Loans - William D. Ford Direct Loan Program	U.S. Department of Education	Maximum base subsidized amounts: \$3,500 first-year student and \$4,500 second-year student. Unsubsidized amounts: eligibility varies according to dependency status.	Generally awarded to undergraduate students enrolled in at least 6 credits. Recipients must maintain satisfactory financial aid progress.	Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal and Federal Direct Master Promissory Note	April 1st
Federal College Work-Study Program	Federal Government	Variable; based on unmet financial need (minimum wage)	Student enrolled at Pennsylvania Highlands and maintaining satisfactory financial aid progress.	Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal and Federal Work Study Application	April 1st
Scholarships	Pennsylvania Highlands Foundation	Yearly awards range from \$100 to \$2,000	Based on scholarship criteria.	Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal Scholarship application and essay required.	April 1st
Parent Direct PLUS Loan	U.S. Department of Education	Cost of Attendance, as determined by the College, minus other financial aid received.	Parents of undergraduate students, regardless of income. Student enrolled for minimum of 6 credits and is pursuing a certificate, diploma, or associate	Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal and Parent Direct PLUS Loan Application	45 days prior to start of semester

			degree. Student must also maintain financial aid academic progress and must qualify as dependent.		
Alternative Loans	Private Lending Institutions	Cost of Attendance (determined by the school) minus other financial aid received.	Generally awarded to credit-worthy students enrolled in at least 6 credits. Recipients must maintain satisfactory financial aid progress.	Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal Alternative loan application also required	None

Pennsylvania Highlands Community College Scholarships

Pennsylvania Highlands offers a number of scholarship programs to assist students with funding their education. Priority consideration for scholarships is given to students who have completed the Free Application for Federal Student Aid (FAFSA) or FAFSA Renewal, submitted a scholarship application, and submitted a short essay by the April 1st priority deadline. Students who are awarded these scholarships must sign a release of information and submit a letter of thanks to the External Relations Office to be forwarded to the donor.

The Pennsylvania Highlands Community College Foundation solicits and receives gifts on behalf of the College from staff and faculty, alumni, members of the community and local businesses and organizations to provide funds for student scholarships.

The Financial Aid Office awards scholarships based upon the availability of funds. Criteria for scholarships vary, but most are based upon financial need and/or academic merit in combination with other eligibility criteria, but in keeping with affirmative action guidelines.

American Association of University Women (AAUW), Johnstown Branch Scholarship

This scholarship was established through the generosity of the Johnstown Branch of the American Association of University Women.

To be eligible for this scholarship, the student must:

- Be a full time matriculated student in a degree program who has earned at least 30 credits.
- Have earned a cumulative GPA of at least 3.0.
- Demonstrate financial need.
- Reside in either Cambria or Somerset County.
- Preference will be given to female students, 25 years of age or older.

A maximum of \$500 is awarded annually.

American Legion Home Association of Ebensburg Scholarship

This scholarship is funded by the American Legion Home Association of Ebensburg.

To be eligible for this scholarship, the student must:

- Currently be on active duty, serving the United States honorably or have an honorable discharge and have served during any of the following war eras:
 - Aug. 2, 1990 to today (Gulf War / War On Terrorism) • Dec. 20, 1989 to Jan. 31, 1990 (Panama) • Aug. 24, 1982 to July 31, 1984 (Lebanon / Grenada) • Feb. 28, 1961 to May 7, 1975 (Vietnam War) • June 25, 1950 to Jan. 31, 1955 (Korean War) • Dec. 7, 1941 to Dec. 31, 1946 (World War II) • April 6, 1917 to Nov. 11, 1918 (World War I)
- Be a full-time student in a valid (degree producing) program of study.
- Be a resident of Cambria County, however the donor may waive this requirement if there are no eligible students from Cambria County
- Maintain at least a 2.5 grade point average

A maximum of \$5,000 is awarded annually (\$2,500 per semester).

Dr. Walter and Kim Asonevich Scholarship

This scholarship was established through the generosity of Dr. Walter and Kim Asonevich. Dr. Asonevich is the current President of Pennsylvania Highlands Community College.

To be eligible for this scholarship, the student must:

- Be a single parent, first semester student enrolled fulltime in an associate's degree program.
- Demonstrate financial need.
- Maintain at least a 3.0 grade point average for second semester renewal of the scholarship.

Scholarships are awarded for the first semester (\$500) and may be extended to the second semester based on availability of funds.

Griffith Family Scholarship

This scholarship is a pass thorough scholarship funded by Ellis and Gladys Griffith.

To be eligible for this scholarship, the student must:

- Be either a full or part-time student.
- Demonstrate financial need.
- Be a graduate of Tussey Mountain School District.
- Maintain at least of 2.5 GPA for second semester eligibility.

A total of \$1,000 will be awarded annually (\$500 each semester).

Kessler Benefits Group Scholarship

This is a pass through Scholarship funded by Kessler Benefits Group.

To be eligible for this scholarship, the student must:

- Be a full time student.
- Demonstrate financial need.
- Be a resident of Cambria County.
- Maintain at least a 3.0 grade point average for second semester eligibility.
- Complete the Free Application for Federal Student Aid (FAFSA).
- Complete the Pennsylvania Highlands Community College Scholarship Application.
- Complete an essay explaining his/her educational goals.

Scholarships are awarded for the first year (\$1,000) and may be extended in two consecutive semesters (\$500).

Dr. Edward Haluska Scholarship

This scholarship is sponsored by the Foundation and is open to any continuing Pennsylvania Highlands student.

To be eligible for this scholarship, the student must:

- Have completed at least three credits at Pennsylvania Highlands.
- Demonstrate financial need.
- Be matriculated into the program.
- Have at Least a 2.0 GPA.

A maximum of \$1,000 is awarded annually.

Huntingdon Hope Scholarship

This scholarship is funded by Mr. Jim Foster.

To be eligible for this scholarship, the student must:

- Demonstrate financial need.
- Must be a resident of Huntingdon County; however, priority consideration will be given to applicants that are graduates of Juniata Valley School District.
- Maintain at least a 2.5 grade point average for second semester eligibility.

A maximum of \$1,000 is awarded annually (\$500 per semester).

Johnstown Regional Indian Subcontinent Association (JRISA) Scholarship

This scholarship is sponsored by Johnstown Regional Indian Subcontinent Association (JRISA) and is awarded to a first year student from Cambria County.

To be eligible for this scholarship, the student must:

- Be a first year student enrolled for a minimum of 6 credits per semester.
- Demonstrate financial need.
- Live in Cambria County.
- Maintain at least a 3.0 grade point average for second semester renewal of the scholarship.

A total of \$500 will be awarded annually (\$250 each semester).

Krishan Bhatia Scholarship

This scholarship is funded by Suresh Kumar

To be eligible for this scholarship, the student must:

- Be a first year student enrolled for a minimum of 6 credits per semester.
- Demonstrate financial need.
- Maintain at least a 3.0 grade point average for second semester renewal of the scholarship.

A maximum of \$2,000 is awarded annually (\$1,000 per semester).

National Association of Insurance and Financial Advisors (NAIFA) Scholarship

The National Association of Insurance and Financial Advisors (NAIFA) established a scholarship fund in 1995 to benefit Pennsylvania Highlands students. This has been funded by the proceeds from its annual golf outing through 2005. The NAIFA scholarship is offered through the Pennsylvania Highlands Foundation.

To be eligible for this scholarship, the student must:

- Have already completed at least three credits at Pennsylvania Highlands.
- Maintain a 2.0 GPA.
- Demonstrate financial need.

A maximum of \$2,500 is awarded annually.

Joseph and Joan Mangarella Scholarship

This scholarship was established through the generosity of Joseph Mangarella, a long time member of both the College's Board of Trustees and the Pennsylvania Highlands Community College Foundation Board of Directors, and his wife Joan.

To be eligible for this scholarship, the student must:

- Be enrolled full time at Pennsylvania Highlands Community College.
- Preference given to students considered to be challenged and/or with special needs who reside in the Northern Cambria Area.

A maximum of \$2,500 is awarded annually.

John P. Murtha Community College Veterans Scholarship

Vietnam Veterans Leadership Program/Veterans Community Initiatives sponsors this scholarship.

The scholarship is open to all veterans, National Guardsmen, and reservists based on the availability of funds.

Call VCI at 814-255-7209 for details. Murtha Scholarship deadline dates differ from other Pennsylvania Highlands Scholarships.

Ursula Pawlowski Memorial Scholarship

This scholarship is given in memory of Ursula Pawlowski, a lifelong educator and former member of the College's Board of Trustees.

To be eligible for this scholarship, the student must:

- Be matriculated in the Early Childhood Education program or in another academic program with the expressed goal of a career in education.
- Maintain a 2.0 GPA.

A maximum of \$500 is awarded annually.

Pennsylvania Highlands Community College Board of Trustees Academic Scholarship

Up to twenty full-tuition scholarships are awarded annually to outstanding students throughout the six-county Southern Alleghenies Region (Bedford, Blair, Cambria, Fulton, Huntingdon, and Somerset). The scholarships are awarded to high school seniors and must be used beginning with the fall semester following high school graduation. The Pennsylvania Highlands Scholarship Committee reviews all applications and recommends recipients for selection to the President's Office.

To be eligible for this scholarship, the student must:

- Be eligible for graduation during the senior year with a cumulative grade point average of at least 3.5 in core academic subjects.
- Be recognized as a good citizen of the high school community by being involved and demonstrating leadership in at least three extra-curricular activity.
- Complete and submit a Board of Trustees Academic Scholarship Application and the Free Application for Federal Student Aid.
- Write an essay of at least 200 words explaining why the committee should nominate him or her as a scholarship recipient.
- Complete the College's placement testing and score college-ready in all sections or submit SAT scores of at least 500 in both verbal and math.

The scholarship covers the cost of tuition only and fees are the responsibility of the student. College fees are the responsibility of the student. Students will be monitored each semester to track academic progress, credit load, and to confirm eligibility.

The scholarship is valid for one Associate's Degree (A.A., A.S., or A.A.S.) and is renewed each academic semester, for a maximum of five semesters, provided the following criteria are met:

- The recipient must be enrolled full time during all scholarship semesters and must successfully complete at least 25 college credits during the first academic year at Pennsylvania Highlands.
- The recipient must maintain a cumulative grade point average of at least 3.25 at Pennsylvania Highlands.
- The recipient must complete at least ten hours of College service during their first academic year, under the direction of the Admissions Office.
- The recipient must work with an assigned scholarship mentor in the Admissions Office throughout their award period.

Pennsylvania Highlands Community College Supporting Success Scholarship

This scholarship is comprised of general scholarship funds to assist current Pennsylvania Highlands students, qualified high school seniors preparing to graduate, and adult learners who meet the criteria listed below. The award may be applied to the costs of tuition, fees, and books.

To be eligible for this scholarship, the student must:

- Be pursuing an Associate Degree, diploma, or certificate at Pennsylvania Highlands Community College and be enrolled for a minimum of six credits per semester; or
- Be a High School Senior eligible for graduation during the senior year with a cumulative GPA of 2.0; or
- Be an adult learner not grant eligible or employee reimbursed with a high school diploma or its equivalency; or
- Have a need not met by PELL or PHEAA grants.

NOTE: Supporting Success Scholarship Funds may be awarded in conjunction with other matching scholarships and/or other special circumstances as determined by the Financial Aid Office.

A maximum of \$4,000 is awarded annually.

Valenty Scholarship

This scholarship was established through the generosity of Sam Valenty, a member of the Pennsylvania Highlands Community College Foundation Board of Directors, and his wife Sara.

To be eligible for this scholarship, the student must:

- Be matriculated in Business Management or business-related program.
- Maintain a 3.0 cumulative GPA.
- Demonstrate financial need.

A maximum of \$1,250 is awarded annually.

Anna D. Weitz Scholarship

This scholarship honors the dedicated service of Dr. Anna D. Weitz, President of Pennsylvania Highlands Community College from 2002-2007. It was established in recognition of her visionary leadership as a lasting tribute to her many achievements at the College and impact on the community at large.

To be eligible for this scholarship, the student must:

- Be enrolled full-time (12 or more credits).
- Have earned at least fifteen credits at Pennsylvania Highlands Community College.
- Have demonstrated service to the College through involvement in a recognized student club / organization or some other officially recognized College service activity.

A maximum of \$500 is awarded annually.

Stan and Helen Westbrook Scholarship

This scholarship is funded by Stan and Helen Westbrook.

To be eligible for this scholarship, the student must:

- Demonstrate financial need.
- Be a graduate of the Mount Union School District, located in Huntingdon County.
- Maintain at least a 2.5 grade point average for second semester eligibility.

A maximum of \$1,000 is awarded annually (\$500 per semester).

Student Success Center

The Student Success Center offers a range of support services focused on helping students have a positive and successful college experience. Services include academic and transfer advising; personal counseling; support for students with disabilities; makeup testing; and free tutorial assistance. In addition, the Student Success Center facilitates the College's placement testing and new student advising processes. These services are available without charge to students enrolled in credit classes.

Academic Advising

Student Success Center counselors assist new students in developing a schedule of classes for their first semester based on program of study and placement test or SAT scores. During their first semester students are assigned a faculty member as their academic advisor who will assist with the selection of appropriate courses in subsequent semesters.

Academic Advisors at Penn Highlands assist students in understanding course and degree requirements; discuss and clarify educational, career, and life goals; monitor student academic progress; reinforce student self-sufficiency; and direct students with educational or personal concerns to the appropriate college resources.

Students are expected to know the degree requirements for their program of study and gain an understanding of the degree audit function of myPEAK portal.

Transfer Services

Students interested in pursuing a bachelor's degree at a 4-year college or university, after completing a degree at Pennsylvania Highlands, should make an appointment during their first semester to meet with a transfer counselor in the Student Success Center. Liberal arts courses and majors leading to the A.S. and A.A. degrees are specifically designed to meet and provide the appropriate framework for students planning to go on to obtain a bachelor's degree. The transfer counselor will help students outline a sequence of courses toward the associate degree that will transfer to the 4-year institution and assist the student with learning the procedures involved in transfer.

Transfer institutions have varied policies on accepting courses and credits for transfer; therefore, students should establish contact with the 4-year institution early in order to ensure they are following the appropriate course sequences at Pennsylvania Highlands.

Pennsylvania State System of Higher Education (PASSHE) Transfer Agreements

Pennsylvania Highlands has six majors that meet the Pennsylvania Statewide Articulation Agreement. This agreement indicates that if a student graduates in one of these majors, all of the required courses will transfer to any PASSHE institution. Participating institutions accept the transfer of Associate of Arts and Associate of Science degrees into parallel baccalaureate programs with junior standing. These majors are: Business Administration (AS), Communication Studies (AA), Computer Science (AS), Criminal Justice (AS), Early Childhood Education (AA), and Psychology (AA). Additionally, Pennsylvania Highlands has articulation agreements with several 4-year institutions which assure students certain considerations when transferring. For more information, please visit the Student Success Center.

PA College Transfer and Articulation Center (PATRAC.net)

This Center facilitates exploration of colleges, universities and community colleges that belong to a Statewide Transfer System dedicated to the seamless transfer of courses within a 30-credit framework.

Students can explore information about the institutions and obtain information on course and program transfer at patrac.net. Pennsylvania's 14 community colleges are Statewide Transfer System members as are the Pennsylvania State System of Higher Education's (PASSHE) 14 universities. Some state-related and private institutions have varying levels of participation in the system.

Assessment and Testing

Placement Testing

One of the goals of the College is to help students succeed by guiding them into the courses and resources needed to help them fulfill their individual educational needs and goals.

COMPASS placement testing in reading, mathematics, and English is a requirement for all matriculated students, whether they are full or part-time. The COMPASS test is also required for non-matriculated students planning to enroll in an English or mathematics course and is strongly encouraged for non-matriculated students planning to complete multiple courses during a semester. Transfer students will not be required to take the COMPASS test if proficiency is documented by official transcripts.

Students must achieve a satisfactory score in the discipline to be able to register for a college-level course in mathematics or English. Students scoring below satisfactory must enroll in college-preparatory courses in mathematics, English or reading.

Students are encouraged to prepare for placement testing by reviewing sample COMPASS questions.

Students may be exempt from taking one or more COMPASS tests if they submit current SAT Test Scores. SAT Test Scores must be within the last five years and will be evaluated by the following guidelines:

- Enrollees who score 500 or more on SAT critical reading will be exempt from the COMPASS reading test.
- Enrollees who score 500 or more on SAT writing will be exempt from the COMPASS writing test and may enroll in ENG 110.
- Enrollees who score from 500 to 599 on the SAT math test may enroll in the following courses, depending on their curriculum: MAT 110, MAT 115, MAT 117, MAT 131, MAT 143, MAT 145, MAT 170, or MAT 200.
- Enrollees scoring 600 and above on the SAT math test may enroll in MAT 205 or MAT 210.

Make-Up Testing

In some cases, instructors permit students to make-up a missed test. Arrangements are made by the instructor for the test to be monitored in the Student Success Center. Students must show the Student Success Center monitor a valid Pennsylvania Highlands student ID. No personal items including cell phones will be permitted in the testing area. All tests are filed by the course instructor's last name; therefore, students should know their instructor's name prior to coming to the Student Success Center.

College Level Examination Program (CLEP) Testing

Individuals interested in CLEP Testing to obtain College credits may arrange to take a CLEP test in the Student Success Center. A list of tests accepted at Penn Highlands is available in the Student Success Center.

PearsonVUE

Pennsylvania Highlands Community College is a certified Pearson VUE testing center. Common Pearson VUE testing includes GED, PECT-PAPA, CompTIA, Cisco, EMT, Paramedic, and American College. Click here for more (<http://www.pearsonvue.com>).

Proctored Exams

Individuals needing a proctored testing environment for a certifying agency or educational institution may arrange for test proctoring in the Success Center for a fee.

Counseling Services

Personal counseling is available for students with issues in their personal lives that may negatively affect their academic pursuits. Students experiencing stress or anxiety, family problems, interpersonal conflict, or illness may benefit from consulting a counselor. Students are referred to resources in the community for intensive or on-going support. Counseling Services are confidential.

Disability Services

Pennsylvania Highlands Community College recognizes and supports the standards set forth in Sec. 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, which are designed to eliminate discrimination against qualified individuals with disabilities. Disabilities may include physical or mental impairments which substantially limit one or more of a person's major life activities and which necessitate modifications to the facilities, programs, or services of the college. Pennsylvania Highlands Community College is committed to making reasonable accommodations for qualifying students with disabilities as required by applicable laws. The College is also committed to making its facilities accessible as required by applicable laws. The College is not required to make accommodations that are unduly burdensome or that fundamentally alter the nature of the College's programs.

Students with disabilities are encouraged to schedule an appointment with the Counselor/ADA Specialist in the Student Success Center to discuss their needs. Students will be asked to complete paperwork that describes the disability and the accommodations they are requesting. Students also must submit current documentation authored by an objective professional qualified to diagnose the disability. The Counselor/ADA Specialist and student will discuss how the disability will impact their learning and what services/academic accommodations are appropriate on an individual basis. All information shall remain confidential.

All documentation must be submitted a minimum of two weeks prior to the start of the semester. Students who provide incomplete documentation will not be given consideration for accommodations. The College reserves the right to request any additional information or documentation it deems necessary to formulate a reasonable and appropriate accommodation plan.

Tutoring

Students enrolled in credit courses are eligible to receive free tutoring on a limited basis. The student must complete a Tutor Request Form and submit it to the Student Success Center. Tutor Request Forms are available in the Student Success Center, at all Centers, and on the Success Center tab of myPEAK. Students are encouraged to apply for tutoring early in the semester in order to fully benefit from the resources offered through the tutoring program.

Career Planning and Employer Services

Career Planning & Employer Services is responsible for two major functions: assisting students with their career education and developing relationships with employers. Our staff provides career counseling and career planning assistance designed to help students in the career decision-making process. Located in A110 of the Richland Campus, we work with students to identify a career goal and build a career plan to enable career success. To achieve these goals, Career Planning & Employer Services provides career assessments, one-on-one counseling, career development workshops and job search assistance.

We encourage students to take advantage of the professional support provided for each step of the career planning process.

Career Exploration and Self Assessments

Career counselors begin the career exploration process by reviewing the results of the students completed career assessment inventory. This inventory is comprised of questions designed to help students identify their unique skills, interests, personality type and values, as a guide to possible career paths. Students may access the career planning assessment online from the convenience of home or in the career center. The assessment takes approximately 45 minutes to complete and can be helpful in choosing a career goal and selecting an academic major.

Career Development Workshops

A regular schedule of career workshops is offered to help students perfect their resume / cover letter writing, develop interview and job search skills. In addition to these recurring core workshops, the Career Center sponsors special programs such as: Mock Interview Fairs, Dress for Success, Dining Etiquette, and Job & Internship Fairs to prepare students for the world of work.

Individual Career Counseling

When students visit Career Planning and Employer Services, their work with a counselor begins with a conversation about why they have come and what they desire to accomplish. Counselors will provide support in identifying appropriate services to assist students in achieving their individual career goals.

Search Assistance: Job, Internship, and Shadowing

A complete list of job & internship postings can now be found online at College Central Network: www.collegecentral.com/pennhighlands. This site is free for all Pennsylvania Highlands Community College students and alumni. The "Employer Directory" is issued annually to provide contact information for employers interested in Penn Highlands' students for job, internship, & job shadowing opportunities. The directory also includes local wage information and job search website addresses. Job and Internship Fairs are offered regularly throughout the year both on and off campus with transportation provided to select fairs. Please visit the Career Planning & Employer Services tab on the myPEAK portal to view instructions to register for College Central Network and to access a copy of the "Employer Directory", the annual job/ internship fair schedule, and current volunteer opportunities.

Career Center Resources

The Career Center provides a comfortable computer lab area for students to work independently or with a career counselor to create resumes and cover letters. Software including: "Career Transitions", "College Central Network", "FOCUS 2", and "O*Net" is available for career exploration and occupational research. Students will find convenient "Grab and Go" materials that provide career planning resources for future reference.

Academic Information

Academic Amnesty

Students transferring from one program of study to another program of study may petition to have courses in which they earned a grade of D or F exempted from the calculation of their grade point average as required by the program from which they transferred. The grades will remain on the student's transcript. Students shall be eligible for Academic Amnesty one time only. Further information on Academic Amnesty may be obtained by contacting the Vice President for Academic Affairs and Student Services.

Academic Forgiveness

Students who return to the College after a two year absence may petition that the credits with D and F grades earned during their previous enrollment at the college be removed from the computation of the cumulative grade point average. The student shall meet with the Vice President for Academic Affairs and Student Services to initiate the process. This petition may be made only after the completion of 12 new credits with a grade point average of 2.0 or higher. Once the petition is approved by the Vice President for Academic Affairs and Student Services, previously earned credits with D and F grades are not used for calculating the student's grade point average; however they remain on the transcript with an appropriate notation.

Academic Grievances

The student academic grievance procedure is available to students who have concerns regarding matters such as final grade appeals.

If resolution cannot be achieved through discussion with the faculty member and the student seeks additional mediation, the student may initiate the formal process as outlined below:

1. A student must submit a letter to the Dean of Teaching, Learning, and Assessment within ten calendar days of the date in which the incident or the complaint occurred. In the case of a final grade discrepancy, the letter should be submitted within fifteen calendar days of the release of grades. In the written complaint, the student should describe his or her concerns, the events that led to those concerns, and provide any supporting documentation.
2. The Dean of Teaching, Learning, and Assessment may choose to meet with both the student and the faculty member involved in an attempt to resolve the issue. If the issue is not resolved, the Dean of Teaching, Learning, and Assessment will convene the Academic Grievance Committee.
3. The Academic Grievance Committee will review the written grievance and all documentation. The Committee may or may not interview both the student and the faculty member. A member of the Committee will notify the student in writing of the Committee's decision within five working days.
4. If the student remains unsatisfied with the decision issued by the Academic Grievance Committee, the student may make a final appeal to the Vice President of Academic Affairs and Student Services. This appeal must be in writing and submitted no later than five working days from the date of the decision issued by the Academic Grievance Committee. The appeal must specify in detail why the decision of the Academic Grievance Committee was unsatisfactory and must be supported with compelling justification. Within ten working days of receipt of the student appeal the Vice President of Academic Affairs and Student Services will issue a decision regarding the appeal. This decision will either uphold the decision of the Academic Grievance Committee or will issue other remedies as the Vice President of Academic Affairs and Student Services deems appropriate. The decision of the Vice President of Academic Affairs and Student Services is final.

Academic Honors

Dean's List

The Dean's List is announced at the completion of fall and spring semesters. The list will include those full-time students who have completed 12 or more college level credits in the semester and have a semester grade point average of 3.3 or better. Part-time students will be eligible for the Dean's List upon completion of each 12 credit milestone (12, 24, 36, etc.) with a cumulative grade point average of 3.3 or better. Developmental credits do not calculate into the total credits or grade point average for inclusion on the Dean's List.

Phi Theta Kappa Honor Society

Phi Theta Kappa's purpose is to recognize and encourage scholarship among two-year college students. Phi Theta Kappa provides the opportunity for the development of leadership and service, an intellectual climate for exchange of ideas and ideals, lively fellowship for scholars, and stimulation of interest in continuing academic excellence. The Beta Epsilon Omega Chapter of the Phi Theta Kappa International Honor Society was officially chartered on May 2, 1997. Invitations are sent to all eligible students, and those who elect to become members are inducted in a formal ceremony.

To be eligible for membership, a student must:

- Be a currently registered, matriculated student.
- Have already completed at least 12 credits towards a degree, diploma, or certificate (excluding developmental courses)
- Have a cumulative grade point average of at least 3.5.

Tau Upsilon Alpha Honor Society

Tau Upsilon Alpha (TUA) of the National Organization of Human Services (NOHS) is the National Honor Society for Human Services. This honor society was established in 2007 which supersedes the former honor society of Alpha Delta Omega. TUA is a two and four year college honor society. Students with a GPA of 3.0 or higher in course work within a Human Services program, completing 12 credits or more, are eligible to apply for membership. In addition to evaluating academic achievements, the student's commitment to excellence in the provision of services to others is also reviewed. Students are invited to join the organization at the beginning of the fall semester. Human Services professionals are also invited to join TUA as professional at-large or honorary members. An applicant must submit an essay describing commitment and philosophy of working within the helping professions.

Who's Who Among Students in American Junior Colleges

Each year the faculty and staff at Pennsylvania Highlands nominate outstanding student scholars and leaders to be recognized by the Who's Who Among Students in American Junior Colleges. To be eligible for nomination for this prestigious award, students must have earned 25 or more credits, have a cumulative grade point average of 3.3 or higher, and have exhibited outstanding leadership and scholarship at Pennsylvania Highlands and in the community at large.

Academic Integrity Policy

The maintenance of an atmosphere of academic integrity is the responsibility of all students, faculty, and staff of the College. Complete academic integrity in fulfillment of requirements is expected of all students and faculty. Students must in no way misrepresent their work, fraudulently or unfairly advance their academic status, or in any way abet other students who fail to maintain academic integrity.

The following are violations of Academic Integrity and as such will not be tolerated:

- **PLAGIARISM:** Failure to acknowledge the source of all information gathered in the preparation of all class work. Plagiarism includes, but is not limited to, the direct quotation, paraphrasing, and other use of information or facts which are not common knowledge, whether published or not, without acknowledging the source through standard means of citation.
- **CHEATING:** Intentional or attempted use of materials, information, or study aids other than those specifically authorized by the faculty member to complete any class assignment and/or examination.
- **FABRICATION:** Falsification or invention of any information or citation in the laboratory, on an internship, or in any other academic exercise. The falsification of identity in online classes. Students may not allow any other person access to their online account to complete online coursework.
- **ETHICAL MISCONDUCT:** Knowing violation of an ethical standard of conduct forming part of or incorporated into a specialized program of study.
- **ACADEMIC DISHONESTY:** Obtaining and/or distributing, in whole or in part, any examination, quiz, test, or other coursework, or changing or altering an assigned grade. This includes the sharing of examinations, quizzes, tests or other coursework in online classes.
- **FACILITATION:** Knowingly aiding or attempting to aid another to commit an act in violation of this Academic Integrity policy.

Faculty Obligations

In fairness to all students, faculty are required to inform students at the beginning of the semester of their obligation to respect the ethical standards of the academic community by not committing the violations herein contained. In addition, faculty are expected to inform students of the appropriate use of sources and documentation/citation and to clarify what constitutes appropriate resources for their examinations and assignments.

All infractions of Academic Integrity will be reported to the Office of the Vice President for Academic Affairs and Student Services including the student's name, course and section number and nature of the infraction.

Penalties

Students who commit a violation of Academic Integrity will be denied the privilege of withdrawing from that course without academic penalty. Further penalties will be initiated against the student at the discretion of the faculty member and/or the College.

The faculty member and/or the College may:

- Assign a grade of 'F' for the examination, test, quiz, assignment or similar academic exercise, regardless of the effect such a grade will have on the student's final grade in that course.
- Assign a grade of 'F' for the course regardless of the quality of the other work completed by the student in the course.
- Drop the student from the course and bar the student from further participation in the course.

The College may:

- Suspend the student for a period of time of the College's discretion.
- Expel the student from the College.

Penalties imposed at the discretion of the College will be posted to the student's permanent record.

Faculty members have the responsibility for determining final grades for their course. Students have the right to discuss their final grade with the responsible faculty member. If the student is not satisfied with the outcome of this discussion and has evidence that the grade is in error, the student may initiate the Academic Grievance Procedure.

Academic Level Advancement

Students successfully completing 1 to 24 credits within an academic program are considered freshman-level students. Students successfully completing 25 or more credits are considered sophomore-level.

Academic Standing

Pennsylvania Highlands faculty and staff consider student learning and academic success to be their top priorities. Whether or not a student achieves success, however, will depend largely on student effort, time management and study habits, class attendance, and his/her willingness to constructively utilize the College's many learning support resources.

Any time a student's Cumulative Grade Point Average (GPA) falls below a 2.0, the student is said to be "NOT in Good Academic Standing." The student is thereby on notice that significant changes may be necessary to meet the student's educational and career goals since no student may graduate with less than a 2.0 GPA.

The College will monitor a student's grades and issue notices of warning or probation when grades do not meet these standards. Students who stay in Good Academic Standing are more likely to advance from one course to the next as needed and earn their degree in a timely fashion.

Students who fail to maintain Good Academic Standing will be notified of their status and any conditions required for their continuation. Students who have extenuating circumstances or specific grounds to appeal either their grades or their academic standing may do so as outlined in the Academic Grievance Procedure.

Recognizing the challenges new students face in transitioning to College, first semester students with a .99 CGPA or less will not face Academic Suspension. These students will be placed on Probation with appropriate credit and/or course restrictions and urged to take advantage of the many College academic and student support services available to them.

Standards for Academic Standing

Cumulative Credit Hours Attempted	Cumulative Grade Point Average Below 2.0	
1 - 15	1.50 - 1.99	ACADEMIC WARNING
	1.00 - 1.49	ACADEMIC PROBATION
	0.00 - 0.99	ACADEMIC SUSPENSION
16 - 30	1.75 - 1.99	ACADEMIC WARNING
	1.25 - 1.74	ACADEMIC PROBATION
	0.00 - 1.24	ACADEMIC SUSPENSION
31 and up	1.80 - 1.99	ACADEMIC WARNING
	1.50 - 1.79	ACADEMIC PROBATION
	0.00 - 1.49	ACADEMIC SUSPENSION

Warning

This status serves to inform students that their performance is below the level required for successful completion of an academic program. Students in this status are strongly urged to seek academic support and assistance. Students who fail to meet the standards for academic standing at the completion of an academic semester or summer session will be placed on academic warning. While on academic warning, students should consider limiting the amount of credits they take during any subsequent semester. Students are removed from warning only when the cumulative GPA is a 2.0 or higher.

Probation

Students whose grades place them in more serious academic jeopardy as outlined above will be placed on Probation. While on Academic Probation, a student may schedule no more than twelve credits per semester. Students on Probation are strongly urged to meet with their faculty advisor and/or Student Success Center staff to assess their educational goals, learning strategies and styles, priorities, time management, and other needs.

Suspension

Students whose grades are significantly below 2.0 as outlined above may be suspended. Students who are suspended may not matriculate at Pennsylvania Highlands for a period of one semester. Students who are on suspension may enroll in classes as part-time, non-matriculated students and receive tutoring services during their suspension.

Reinstatement following Academic Suspension

A suspended student wishing to be readmitted to the College as a matriculated (degree seeking) student following a period of suspension must complete an application for reinstatement to the College along with the regular College admission application. The Vice President for Academic Affairs and Student Services or designee will review the student's academic record, including high school and college transcripts, placement test scores, along with information provided on the Reinstatement Application and make an admission decision or recommendation to admit or not admit based on his/her assessment of the student's ability to benefit from a return to matriculated status. Students who are reinstated following Academic Suspension will be reinstated on Academic Probation.

Act 34 Pennsylvania Child Abuse History Clearance

The received official document should read that "No record exist in the Pennsylvania Department of Public Welfare's statewide Central Registry ..." or the existing record must comply with section E of the ACT 34 of 1985 Background Clearance Procedures as amended.

NOTE: Additional information concerning clearances referring to teaching in Pennsylvania can be found at http://www.portal.state.pa.us/portal/server.pt/community/background_checks_%28act_114%29/7493.

Act 48 Continuing Professional Education

Pennsylvania Highlands is an approved provider for Act 48 courses/training in the Commonwealth of Pennsylvania. The College is fully accredited and offer a wide variety of course selections to suit all educators. The College's flexible schedule and affordable tuition make Pennsylvania Highlands a popular choice for needed credits.

Educators wishing to take Pennsylvania Highlands courses for Act 48 credit should review all course selections with their appropriate administrators prior to enrolling. Educators must work with their sponsoring school district or IU for logging course activity with the Pennsylvania Department of Education. Once educators complete coursework, an official transcript can be obtained for documentation purposes through the Registrars' Office. It is strongly recommended that the educator obtain prior approval from his or her sponsoring school district or IU prior to enrolling in courses to be applied toward Act 48 requirements.

Act 114 FBI Fingerprint Clearance

The received official document should read that the subject has "No record" or the existing record must comply with section E of the ACT 34 of 1985 Background Clearance Procedures 24 PS 1-111 as amended. NOTE: Additional information concerning clearances referring to teaching in Pennsylvania can be found at http://www.portal.state.pa.us/portal/server.pt/community/background_checks_%28act_114%29/7493.

Act 151 Pennsylvania Criminal Record Check

The received official document should read that "... has no criminal record in Pennsylvania based on a check based on the above identifiers - refer to control ..." or the existing record must comply with section E of the ACT 34 of 1985 Background Clearance Procedures 24 PS 1-111 as amended.

NOTE: Additional information concerning clearances referring to teaching in Pennsylvania can be found at http://www.portal.state.pa.us/portal/server.pt/community/background_checks_%28act_114%29/7493.

Attendance

Students are expected to attend all class sessions. Attendance is monitored by the course instructor. Excessive absences can have negative effect not only in academic success but in the eligibility to receive Financial Aid. The completion of all requirements specified in the course syllabus is the responsibility of the student.

College Preparatory Classes

Some students need refresher courses before they can expect to succeed in regular 100 and 200 level College courses. The College Preparatory program (College Prep) at Pennsylvania Highlands is offered to prepare students for College-level work by building the basic skills necessary for academic success. College Prep faculty coordinate the instruction, policies, and procedures for students who need preparatory courses in reading, English, and math. College Prep faculty also work with students to develop the necessary attitudes and behaviors that will enable them to achieve success in College and in the work-place.

College Prep courses are assigned institutional credit, which applies only at Pennsylvania Highlands and will not count toward graduation, will not earn college credit, and will not be used in grade point average (GPA) calculations. Students are placed into College-level courses and/or preparatory mathematics, English, and reading classes through placement exams administered upon admission to College or through previous testing or coursework completed at another College or school. Students must take any prescribed preparatory class(es) during their first semester of attendance and must continue to enroll in prescribed courses until the sequence is complete.

- Small classes offering individual attention
- Tutoring
- Counseling
- Computer-assisted instruction and the use of other educational technologies
- Help for special-needs students

How are Students Placed into College Preparatory Classes?

Students are placed into college-level courses and/or college preparatory reading, math, or English based on their test scores from the COMPASS placement exam. COMPASS is administered upon admission to the College. Students may be exempt from taking one or more COMPASS tests if they have submitted their current SAT test scores (must be within the last five years). To see SAT exemption guidelines, please visit the Student Success Center section of the Catalog. Students can find more information about the COMPASS exam and see a practice test at www.act.org/compass.

Students are required to take any prescribed College Prep classes during their first, and if necessary, in subsequent semesters until College level proficiency is reached.

Students are required to attend a minimum of 80 percent of their College Prep classes. All preparatory classes use the following grading system:

- A, 93 - 100 percent; B, 84 - 92 percent; C, 75 - 83 percent; F, Below 75 percent

The credits earned with college preparatory courses do not apply toward grade point average calculations (GPA) or toward graduation, nor are they generally transferable to other institutions.

Current College Preparatory Offerings:

- ICR 020— Basic College Reading
- ICR 031— Critical College Reading

- ENG 010—Basic English
- ENG 020—Introduction to Composition
- MAT 020—Basic Math
- MAT 041—Pre-Algebra
- MAT 080—Basic Algebra

Distance Education

Distance Education courses offer students the opportunity to earn college credit at the time and location convenient to them. Distance Education includes online courses, hybrid courses, and courses enhanced through the use of technology. For more information, visit the Distance Education page at www.pennhighlands.edu/distance.

Delivery of Academic Programs

Courses in academic programs are taught using a variety of methods including traditional classroom and laboratories and internet-based courses.

Pennsylvania Highlands assumes that distance education will be infused into the academic environment as an accepted tool for responding to the changing educational environment, for ensuring quality on-campus and intercampus delivery, and as an integrated aspect of systemic curriculum planning.

Online Courses

Online learning is learner-driven, internet-based instruction delivered via an online platform. Online learning is ideal for students with work obligations, family obligations, travel constraints, or time/schedule conflicts. Students are able to access their online materials 24 hours a day, seven days a week via any internet-accessible computer.

Online courses are led by Pennsylvania Highlands faculty and utilize the Internet to deliver instructional materials, assignments, exams, and discussions. Online courses require the same competencies as equivalent campus courses, and are considered more academically challenging and writing intensive because all communication is written. Coursework may consist of online assignments, group work, class discussions, quizzes, exams and more. Online courses allow students to complete work and assignments at their convenience; however, weekly participation as well as on-campus meetings, labs or proctored exams may be mandatory.

For more information about online courses, course offerings and descriptions, and technical requirements for online courses, see the Distance Education website at <http://www.pennhighlands.edu/distance>.

Final Exams, Papers, and Projects

Course final examinations, papers, projects, and activities are scheduled as deemed appropriate by the faculty. Specific requirements should be outlined in the course syllabus. The College Calendar does not set aside a final examination period. However, faculty members are encouraged to conduct a culminating learning/assessment activity for each of their classes at the end of each term. Course grades are based on the student's ability to meet all course requirements.

General Education Requirements and Statement

Pennsylvania Highlands Community College General Education Statement

General education at Pennsylvania Highlands Community College reflects our conviction that all associate degree graduates must demonstrate proficiency in the following foundational skills: critical thinking, scientific/quantitative reasoning, information literacy, effective communication, awareness of a diverse world, and technological expertise. These skills are essential for success in both college and career in an increasingly complex global economy, and they will ensure that students are equipped to develop as well-rounded and competent individuals through a lifetime of learning.

- *Critical Thinking*: Students must be able to read and think critically in order to synthesize knowledge gleaned from a wide range of sources. Students must demonstrate the ability to use higher-level thinking and analytical skills and to support their judgment, in their disciplines and in resolving ethical dilemmas.
- *Scientific/Quantitative Reasoning*: Students must be able to apply quantitative reasoning and methods, including the experimental method, mathematical formulae, and statistical analysis, to solving problems.
- *Information Literacy*: Students must be able to determine the extent of information needed, access the needed information effectively and efficiently, evaluate information and its sources critically, incorporate the information into their knowledge base, and understand the economic, legal, and social issues surrounding the use of information, and access and use the information ethically and legally.
- *Effective Communication*: Students must demonstrate fluency in both written and oral communications. They must use information literacy, rhetorical training, and critical thinking to create clear written reports, speeches, and oral reports in Standard English. They must be able to comprehend written material.
- *Awareness of a Diverse World*: Students must develop an understanding and appreciation of various cultures in order to live in a diverse world and to compete in the global marketplace.
- *Technological Expertise*: Students must perform fundamental computer operations, use software applications, and demonstrate basic knowledge of computer theory. These are all essential skills in a technological society for problem-solving, communication, information access, and data analysis.

Summary Statement: Students must present an associate degree level of academic and professional competence to the college and community. They must possess the skills necessary for lifelong learning.

Degree and Program Requirements

Pennsylvania Highlands Community College offers three associate degrees: the associate of applied science degree, the associate of science degree, and the associate of arts degree. This foundation demonstrates the College's vision of an informed, literate and educated person. It also expresses its commitment to developing a dynamic and renewed regional community through the contributions of our graduates.

The Associate of Applied Science Degree (60-66 credits) is designed to be a two-year terminal degree with a primary goal of getting the student ready for entry into the workforce. As such the program requirements—those courses aimed at providing competency in a particular career-related discipline—make up the bulk of the coursework for the AAS degree.

To complete an AAS degree, students must complete the following degree requirements:

- 1 credit FYE (*Strongly suggested to be taken during the student's first semester*)
- 1 credit ACE
- 3 credits English (ENG 110)
- 3 credits communication (COM 101)
- 3 credits math (MAT)
- 3-4 credits science
- 3 credits technology (CIT 100)
- 3 credits wellness (LIF 111)
- 3 credits social science

This is a total of 23 or 24 credits, depending on whether a 3-credit or 4-credit science course is required by the program. In addition to the degree requirements, students must complete 36-42 program credits, depending upon the specific program the student seeks to complete.

The Associate of Science Degree (60-67 credits*) is designed to provide a substantial program experience while optimizing the transferability of the course work for those students who may later decide to seek further education at a baccalaureate institution.

To complete an AS degree, students must complete the following degree requirements:

- 1 credit FYE (*Strongly suggested to be taken during the student's first semester*)
- 1 credit HUM 115
- 6 credits English (110 and 200, 205, or 225)
- 3 credits communication (COM 101)
- 6 credits social science
- 7-8 credits including at least one lab
- 3 credits math (college algebra or higher)

- 3 credits humanities
- 3 credits technology (CIT 100)

This is a total of 34 credits. In addition to the degree requirements, students must complete 26-33 program credits, depending on the specific program the student seeks to complete.

**Some Associate of Science degrees may follow the STEM (Science, Technology, Engineering, and Mathematics) option, which is designed to allow students in transfer majors with more math and science requirements to complete fewer humanities and social science requirements.*

The Associate of Arts Degree (60-66 credits) is designed for those students interested in earning a two-year degree while working toward a bachelor's degree. To this end the degree is designed to optimize transfer by focusing on highly transferable general education requirements while still providing the student with opportunities to work in the major field of interest.

To complete an AA degree, students must complete the following degree requirements:

- 1 credit FYE (*Strongly suggested to be taken during the student's first semester*)
- 1 credit HUM 115
- 6 credits English (110 and 200 or 205)
- 3 credits communication (COM 101)
- 6-9 credits social science*¹
- 4 credits lab science
- 3 credits math (college algebra or higher)
- 6-9 humanities*²
- 3 credits technology (CIT 100)

This is a total of 40 credits. In addition to the degree requirements, students must complete 20-26 program credits, depending upon the specific program the student seeks to complete.

¹ *Depending on the program, either 9 credits of social science & 6 of humanities or 9 credits of humanities and 6 of social science (to allow for depth as well as breadth of study, at least 6 credits of the 9 must be in the same discipline)*

² *See note 1 above.*

Grading System

Letter Grade	Grade Points	Description
A	4	Superior/Excellent
B	3	Good/Above Average
C	2	Satisfactory/Average
D	1	Pass/Unsatisfactory
I	0	Incomplete
F	0	Failure
W	0	Withdrawal
S	0	Satisfactory
U	0	Unsatisfactory
RD	0	Report Delayed
AU	0	Audit

How to Calculate Your Grade Point Average

The Grade Point Average (GPA) is computed by multiplying the point value of each grade earned by the number of semester hours of credit of the course for which the grade is received. The total of these products is then divided by the total number of semester hours of credit.

Example of Grade Point Average Calculation Point Values: A=4, B=3, C=2, D=1, F=0.

Letter Grade		Point Value of Grade		Semester Hours of Credit		Grade Points
C	=	2.0	X	3	=	6
B	=	3.0	X	4	=	12
A	=	4.0	X	3	=	12
C	=	2.0	X	3	=	6
B	=	3.0	X	3	=	9

45 grade points divided by 16 semester hours = 2.81 grade point average or GPA.

Incomplete Grade Policy

An incomplete grade (I-Grade) is reserved for students who have completed at least 75 percent of the coursework and have a passing grade in the course at the time of the request. Consideration for an incomplete grade may only be given if there are extenuating documentable circumstances such as a serious illness or personal adversity that prevents completion of the course by the scheduled end date for the class. The request is made by the student to the instructor of the course. The instructor has the sole discretion to award or not award an incomplete grade. The instructor will complete the "Incomplete Contract (I-Grade)" form, stating the conditions to be met, including the following: any assignments to complete, date by which assignments and tests must be completed, and the grade if those conditions are not met. Both the student and instructor will sign the form, and one copy will be given to the student, and one will be submitted to the Registrar on or prior to the date when final grades are due. If a grade change form is not submitted to the Registrar by the date specified on the "Incomplete Contract (I-Grade)" form, then the Registrar will change the incomplete grade to the grade entered on the "Incomplete Contract (I-Grade)" form.

Grades Policy

Only teaching faculty members can assign grades. No student's grade may be altered without the approval of the faculty member assigning the grade, in consultation with the Vice President for Academic Affairs and Student Services, except as follows:

1. If a faculty member leaves the employment of the College for any reason, the College shall assume the responsibility for grading the students.
2. If a student has successfully appealed his/her grade through the appeals process, the faculty member or Vice President for Academic Affairs and Student Services will change the grade. If the Vice President changes the grade, the faculty member will receive written notification of the grade change.

Graduation Honors

Students who have earned a minimum of 30 credits in a certificate, diploma, or degree program and have graduated with at least a 3.5 grade point average will be eligible for graduation honors. Any student who has been officially documented for violations of the Academic Integrity Policy will not be eligible for Graduation Honors. Students who have earned an overall GPA of 4.0 are graduated Summa Cum Laude (highest honors). Students who have earned an overall GPA of at least 3.75 and below 4.0 are graduated Magna Cum Laude (high honors). Students who have earned an overall GPA of at least 3.5 and below 3.75 are graduated Cum Laude (honors).

4.0 Summa Cum Laude

3.99-3.75 Magna Cum Laude

3.74-3.5 Cum Laude

Graduation Requirements

Meeting graduation requirements is ultimately the responsibility of the student. Students are encouraged to work with their academic advisors in selecting courses to meet their educational objectives. Students must apply for graduation before the specified deadline for the semester. Application due dates are announced throughout the year and are communicated through the Registrar's Office via newsletters and communications. Applications are available at all College sites as well as on the College's website and portal. Commencement ceremonies are the culmination of the student's program of study. Each spring Pennsylvania Highlands Community College conducts a graduation ceremony at which time faculty, staff, family, and friends come together to recognize the academic achievements of the year's graduates. All eligible degree, diploma, and certificate candidates are encouraged to participate in commencement activities.

In order to be eligible to graduate, all students must have:

- Satisfied all requirements for the course of study.
- Taken at least 30 credits at Pennsylvania Highlands
- Achieved a grade point average of 2.0 or better as required by program of study.
- Fulfilled all of their financial obligations to Pennsylvania Highlands.
- Filed an Application for Graduation.

Independent Study

Requests for independent study are initiated by the student's academic advisor and must be approved by the appropriate Associate Dean of Instruction four weeks prior to the start of the semester in which the course will be offered.

Internships

Internships are coordinated by the appropriate academic program coordinator. The purpose of internships is to integrate classroom study and practical work experience for academic credit. Students intern with a host organization for a required number of hours based on credit assignment. Internships enhance the partnership between the College and the community.

Please review the pages in this catalog regarding your program of study to verify if an internship is required. Because students are expected to be prepared to succeed in entry level projects, interns must have completed at least 2/3 of their program of study and earned at least a 2.00 grade point average. Some programs may have additional conditions of eligibility so students are urged to consult with the appropriate internship advisor for further information.

Students must begin the internship process in the semester prior to the internship semester by contacting their academic advisor. Detailed information about the internship process is available on the College's website.

Library Services

The College offers full library services to all students. Library services include access to library materials at campus libraries, an online catalog, complete inter-library loan services, and remote access to library databases. The College has adopted an information-literacy strategy that incorporates library research in all academic programs. Information-literacy instruction is available to all students and is offered through the First Year Experience and other courses.

Tutoring

Tutoring is available to all students enrolled in courses at the College. Tutors must be requested by completing a *Tutor Request Form*. These forms are available in the Student Success Center at the Richland Campus or at the Information Desk of our Education Centers. Tutoring is dependent upon tutor availability.

Peer Tutors

Students with an overall grade point average of 3.0, an "A" in the course they wish to tutor, and a recommendation from the course instructor are eligible to become peer tutors. Interested students may pick up a *Request to be a Tutor Form* in the Library at the Richland Campus.

Minimal Credit Requirement

To earn an Associate Degree from Pennsylvania Highlands, students shall complete a minimum of 30 credit hours at the College.

The following types of successfully earned credits shall constitute the student Minimal Credit requirement:

- Credits earned from Pennsylvania Highlands courses taught on or off-campus, including Dual Enrollment.
- Pennsylvania Highlands distance learning courses originating from or received at the College.

Although Pennsylvania Highlands Community College evaluates prior learning and will apply credits as appropriate to degree, diploma, or certificate programs, the following types of credits do not contribute to a student's minimal credit requirement:

- Credits transferred from another institution.
- Credit awarded for successful completion of a course examination (credit by exam).
- Credit awarded through the College Level Examination Program (CLEP).
- Credit awarded for Advance Placement Examinations.
- Credit awarded for Military Training.
- Credit awarded by an area Career and Technology Center.
- Credit awarded for Life Experience.

Options for Earning College Credit

Students may receive academic credit for prior learning enabling them to begin college work at advanced levels and shorten the time required to obtain degrees, diplomas or certificates. Credit for prior learning may be graded by any of the following methods: transfer credits, courses taken at area career and technology centers, College Level Examination Program (CLEP), credit for examination, and credit for experiential learning.

Credit can be granted only for those courses which are listed in the Pennsylvania Highlands catalog. The courses must meet the requirements of the program in which the student is enrolled. Credits obtained for prior learning are not used in the computation of the grade point average. These credits are not applied to VA benefits, Selective Service deferment, Social Security benefits, or scholastic honors. A maximum of half of the credits needed for degree completion may be awarded to a student for all credits earned for prior learning.

Accelerated College Education for High School Students (ACE)

The Accelerated College Education (ACE) program, formerly known as Dual Enrollment, is a partnership between high schools and the College. ACE allows high school students to earn Pennsylvania Highlands' credits while in high school. The courses are taught by qualifying high school faculty who assure that students' performance in the high school course is equivalent to a course taught at the College. College credits can be applied toward a degree at Pennsylvania Highlands Community College or transferred to another college. More information is available online at <http://www.pennhighlands.edu/ace/>.

Advanced Placement Examinations

Credit may be awarded to students who attain a score of three or higher on the College Board Advanced Placement (AP) Examination. A list of all acceptable AP tests is available at the Pennsylvania Highlands Student Success Center. Test scores must be sent directly to the Student Success Center from the College Board. Contact the Student Success Center or the Admissions Office for further information.

College Level Examination Program (CLEP)

Credit may be awarded to students who achieve satisfactory scores on the CLEP general examinations and selected CLEP subject examinations. A list of all acceptable CLEP test scores is available at the Pennsylvania Highlands Student Success Center. Test scores must be sent directly to the Student Success Center from the College Entrance Examination Board. Contact the Student Success Center or the Admissions Office for further information.

Credit for Life Experience

Guidelines for awarding credit for life experience are essentially those suggested by the American Council on Education. Students with substantial business, career and technical, or other life experience may present a proposal describing the broad outline of the learning experience and how that experience may be equivalent to the learning outcomes of one or more College courses. A comprehensive, detailed portfolio is then prepared under the direction of faculty as appropriate. The faculty will review and evaluate the portfolio and recommend whether credit is to be awarded. The student is charged a fee per credit awarded according to the published fee schedule. Students wishing to learn more about this process are advised to inform the College during the admissions, advising, and registration process.

Credit for Military Training

College level courses taken while in the U.S. Armed Forces and submitted on college transcripts or on transcripts from the military may be transferable. Military courses may be submitted and reviewed on an individual basis. Credit is normally awarded based upon the recommendation of the American Council on Education.

Excelsior College Examinations (ECE)

Credit may be awarded to students who achieve satisfactory scores on the Excelsior College Examinations (ECE) in selected subject areas. A list of acceptable ECE tests is available in the Student Success Center. Test scores must be sent directly to the Student Success Center from the ECE testing centers. Contact the Student Success Center or the Admissions Office for further information. .

Transfer to Pennsylvania Highlands

Students who have earned credits at other colleges or universities may request to have those credits applied to their program of study at Pennsylvania Highlands. Those wishing to do so must submit official transcripts from the other institution(s) in which they were enrolled along with the Pennsylvania Highlands Application for Admission.

Upon receipt of the Application for Admission and any other materials required for admission, the College will review the student's official transcript(s) and determine which credits, if any, are to be applied to the student's intended program of study. A written transfer evaluation will be sent to the student.

Pursuant to AACRAO (American Association of Collegiate Registrar and Admissions Officers) guidelines, Pennsylvania Highlands will award transfer credit for courses in which a 2.0 ("C") or higher grade is earned and which are deemed equivalent to required or elective courses in the student's program of study.

To earn an Associate degree from Pennsylvania Highlands, students shall complete a minimum of 30 credit hours at the College.

Transfer grades are not referenced on the Pennsylvania Highlands transcript nor are they factored into the student's cumulative grade point average.

Transfer credit will be awarded for courses in which the student has earned a 2.0 ("C") or higher grade. Credit will not be awarded for courses in which the student earned a grade of "D", "F", "W", "Inc", "Au", "P/F", or "In Progress." Coursework older than ten years is generally not eligible nor are Continuing Education Units (CEU's).

Pennsylvania Highlands does not accept developmental/remedial courses for transfer. Those courses, commonly numbered 000 – 099, include pre-college English, math, reading, and study skills courses. Typically, Pennsylvania Highlands does not accept First Year Experience (freshmen seminar) courses for transfer.

If Advanced Placement and/or CLEP credits are listed on another college's transcript for credit, Pennsylvania Highlands will require an official copy of the score report to evaluate.

For additional information on credit transfer and non-traditional options for earning College credit at Pennsylvania Highlands, please contact the Admissions Office, an Academic Advisor, or the Student Success Center.

Credit Transfer Appeals

Students unsatisfied with the outcome of their transfer credit petition have the right to appeal that decision to the Vice President for Academic Affairs and Student Services.

The steps for appeals are as follows:

- Student must write a letter of appeal accompanied by a syllabus of the course(s) in question along with any other documents that may support the appeal.
- The Vice President will review the request.
- The student will receive a response to the appeal within 10 business days of the receipt of the appeal.

Transfer Partnerships

Some Associate of Applied Science degree programs are offered in cooperation with area vocational-technical schools or comprehensive high schools. In each of these programs, students complete specialized or major courses at the participating school and general education and advanced technical courses at Pennsylvania Highlands. Students must apply separately to both the participating school and Pennsylvania Highlands. A maximum of 30 credits may be transferred to Pennsylvania Highlands under this program.

Second Associate Degree

A second associate degree is awarded only when all the degree requirements for the second degree have been met. Appeals for a waiver of this policy must be made in writing to the Vice President of Academic Affairs and Student Services.

Student Evaluation

Students are entitled to frequent feedback on their academic progress. The instructor is encouraged to employ, but is not limited to, the following criteria: attendance, class participation, weekly quizzes, periodic hourly exams, graded homework assignments, lab reports, oral reports, journals, and notebooks.

Student-Faculty Evaluation

At least once each term, students will be asked to provide an evaluation of their classes, their faculty and the methods in which they receive instruction. These student assessments are used in the ongoing process of program evaluation and development.

Continuing Education

Workforce Education

Pennsylvania Highlands Community College created its Workforce Education Department as a vehicle to enhance the skills of workers and potential workers, in order to retain current employers and attract new employers to the area. Pennsylvania Highlands recognizes that improving the quality of life depends upon economic development. Contingent on advancing economically is having a qualified and skilled work force. Consequently, Workforce Education provides comprehensive assessment of employer/employee needs for training by developing and offering customized programs according to assessed needs, for private businesses, industries, and other agencies in the communities we serve.

Workforce Education Mission

Our mission is to provide comprehensive assessment of employer/employee needs for training and to develop and offer customized programs, according to the assessed needs, for private business and industry and public institutions and agencies in the communities we serve.

Other Services

Workforce Education can also provide customized on-site training. Interested employers and students are encouraged to contact Workforce Education at 814-262-3815 for additional information.

Workforce Education Goals

- To provide comprehensive assessment services to firms within the region.
- To enhance the current skills of employees.
- To provide the necessary training to improve the skill transferability of displaced workers and workers with disabilities.
- To act as a catalyst to attract business/industry to the area because of our ability to train the needed talent pool.
- To act as an in-house consulting agent for the development of degree granting and certification programs.
- To provide certification programs in occupations that meet specific business and industry skill requirements.
- To provide customized training to meet the needs of its customer.

Continuing Education Units (CEU)

Industry specific Continuing Education Units (CEUs) are awarded based on hours of contact. The CEU is a nationally recognized unit of measure to record an individual's continued education in his/her field or in an area of professional development. For more information about CEUs contact Workforce Education at 814-262-3815.

Certifications

We have partnered with a number of companies to offer training and certification in various technologies.

Microsoft Testing Center

Pennsylvania Highlands Community College is a Microsoft Authorized Testing Center for the Microsoft Office Specialist (MOS) certification program.

Microsoft® IT Academy

Pennsylvania Highlands Community College is the proud home of the Microsoft® IT Academy! The College has partnered with Knowledge Solutions International to become a Microsoft® IT Academy providing high end, hands on technology training. Knowledge Solutions International is a global learning and development organization that specializes in information technology training.

The Microsoft® IT Academy program provides industry recognized certification courses with comprehensive curriculum, software and resources for students and instructors. Additionally, communities and businesses benefit with a highly trained, employable workforce.

Microsoft® IT Academy Programs (earn Microsoft® Certifications in these areas):

- Desktop Support
- Desktop Administrator
- Helpdesk A+
- A+ Helpdesk and Desktop Administrator
- Helpdesk and Technical Support
- Network Administrator
- Network Systems Administrator
- Microsoft Office Specialist

Health Care Courses

The health care field remains one of the largest employment segments in our area. Because of continual advances, there is a continual need for well-trained health care workers. Pennsylvania Highlands offers non-credit opportunities for job training and continuing education.

A sampling of the health care courses offered through Workforce Education:

- Pharmacy Technician
- Phlebotomy
- Clinical Medical Assistant
- Dental Assisting
- EKG Technician
- Electronic Health Record Management
- Personal Trainer Certification

CareerStep Online Health Care Programs include:

- Medical Administrative Assistant
- Electronic Health Records Office Professional
- Executive Assistant
- Medical Transcription
- Medical Transcription Editor
- Medical Billing
- Professional Medical Coding & Billing
- Online Computer Technician
- ICD-10 FastTrack

Online Courses

Workforce Education offers a variety of online courses that students can take at home or work. Courses offered are in the areas of computer applications, Internet, small business, customer service, basic supervision, business applications, health, and personal enrichment.

Education to Go - www.ed2go.com/pennhighcc

CareerStep - <http://careerstep.com/ap/pennhighlands>

ProTrain - <http://pennhighlands.theknowledgebase.org/start.aspx?menuid=3075>

UGotClass - http://www.pennhighlands.edu/continuinged/teaching_tools.html

Programs

Workforce Education provides customized training according to assessed needs in non-credit format. Training can be delivered either on-site or scheduled at one of our facilities. Workforce Education also has "wireless" laptop computer labs for training.

A sampling of the workshops and courses provided through Workforce Education:

Computer Skills

- A+ Certification
- AutoCAD
- Microsoft Access
- Microsoft Excel
- Microsoft Outlook
- Microsoft PowerPoint
- Microsoft Project
- Microsoft SQL Server
- Microsoft Windows
- Microsoft Word
- PC Basics
- Using the Internet
- Web Page Design

General Business

- Supervisory Training Skills
- Business Office Etiquette
- Sexual Harassment
- General Workplace Mental Health First Aid Certification
- Youth Mental Health First Aid Certification
- Workplace Safety
- Creating a Social Media Plan for My Business
- Making the Most of Networking Opportunities
- Basic Accounting
- Basic Mathematics
- Basic Writing Skills

- Business Letter & Report Writing
- Customer Service (Healthcare focus, hospitality focus, general)
- Facilitator Training
- Food Service - ServSafe
- Interpersonal Communications
- Problem Solving Skills
- Selling Skills Training
- Stress Management
- Team Building
- Technical Writing
- Time Management

Advanced Manufacturing Skills

- Blueprint Reading
- Design for Manufacturing
- Risk Management in Manufacturing

Environmental Training OSHA Mandated Training

- 40 Hour Hazwoper
- 8 Hour Hazwoper Refresher
- 24 Hour Confined Space
- Safety Awareness
- Fire Protection

Quality & Continuous Improvement Tools

- Lean Familiarization Training
- Lean Six Sigma Green Belt Certification Class
- Lean Six Sigma Black Belt Certification Class
- ISO-9001: 2008 Internal Auditor Training
- Value Stream Mapping
- 5S/6S for the Workplace
- Yellow Belt Certification

Fiber Optics

- Certified Fiber Optics Training
- Certified Fiber Optics Specialist in Testing Maintenance
- Certified Fiber Optics Splicing Specialist Certification

Act 48 Classes

Please note that Act 48 classes should be approved by the school district. Virtually any class, in-person or on-line is applicable given a relationship to the teacher's position. Options include, but are not limited to:

- Gender in the Classroom
- Generational Learning Styles for K-12 Teachers
- Online Learning & Teaching for K-12 Teachers
- Social Media and Online Tools for K-12 Teachers
- Students with ASD (Autism Spectrum Disorder)
- Substitute Teacher Preparation
- Using Cell Phones in the Classroom
- Fundamentals of Instructional Design
- Learning Styles in the Classroom
- Multiple Intelligences in the Classroom
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Outlook
- Microsoft Access
- Online courses – www.ed2go.com/pennhighcc

Community Education

The Community Education Department is an alliance of education and community whose purpose is to enhance the personal and professional goals of both individuals and groups. The Community Education Department surveys community needs and interests and develops and offers customized programs according to the assessed needs for individuals, groups, business, organizations, and agencies throughout our region.

Our courses are continually evaluated and updated. Our goal is to create positive, fun and rewarding experiences to enrich our community. If you have a subject in mind that is not listed here, we can find an instructor and design a course just for your group.

For more information regarding Community Education, contact us by calling 814-262-6441 or via email at commed@pennhighlands.edu.

Community Education Goals

- To provide educational opportunities through the use of school and community resources.
- To enable learners to become responsible, independent contributors in the community.
- To ensure that every person realizes life-long learning opportunities and fulfills a productive role in their community.
- To assess the needs and interests of the general community.
- To originate, develop, and nurture new non-credit programs.
- To enrich lives and position participants at the forefront of technological and educational advances.
- To enhance the skill base and general knowledge of the community.
- To customize programming to meet the needs of individual community members and groups.
- To serve as an outreach arm of the College and strengthen the regional community and economy.

A sampling of opportunities provided through Community Education:

- Belly Dancing
- Japanese Language and Culture
- Photography Classes
- Dancing with a Partner
- Floral Design
- Cha-Cha and Rumba
- Safe Sitter Babysitting Certificate Program
- Painting
- Therapeutic Massage
- Yoga
- Learn to Knit
- Spring Wreath in Silk
- Fabulous Fall Wreath
- Email and Internet Basics
- iPads for the New User
- Social Media
- Jitterbug & Swing
- EWS Fashion Academy
- Learn to Make Nut Rolls
- Wilton Method Cake Decorating Classes
- Ancestral Research
- Extreme Couponing
- Story Time for Toddlers
- Fiction Writing for Teens
- Acupressure for Stress Relief
- Guitar
- Writing for the Next Generation
- Roadmap to Publication
- Short Story Writing
- Writing Your First Novel
- Creative Writing

Meeting Room Rental - Workforce Education Center

Featuring three state of the art meeting spaces, the Workforce Education Center, located inside the Richland Campus, is a premier learning and meeting location.

Meeting space includes a tiered, theater style space, a computer lab and a multi-function classroom space. Rooms feature Smart Board Technology and video conferencing capabilities. High quality, affordable on-site catering is available. IT support is located within the College. The location is convenient and offers ample, free parking. Call 262-3815 for information.

Academic Programs

Associate Degree Programs

Accounting (A.S.)

Program Description

The Associate of Science (A.S.) degree in Accounting is designed to provide the foundation necessary for optimal transfer to four year programs in Accounting programs while it simultaneously prepares students for immediate employment in a wide range of business environments requiring advanced skill sets in accounting and business. Program completers will have demonstrated understanding and application of accounting theory and practice and will have achieved a level of proficiency in related areas including economics, management, marketing, information technology, and business sub-disciplines.

Obtaining the Degree

To earn the Associate of Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major requirements.

Program Objectives

Upon completion of the program, the student will be able to:

1. Develop, measure, analyze, validate, and communicate financial information for use in proprietorships, partnerships, and corporations.
2. Complete the entire accounting cycle, including payroll.
3. Use automated accounting software to develop, measure, analyze, validate, and communicate financial information.

Transfer Agreement Availability:

- St. Francis University
- Franklin University
- Mount Aloysius College
- Juniata College

Career Opportunities

Graduates of this program are prepared for transfer as well as entry-level accounting positions in all types of business environments including public accounting, manufacturing, retail, wholesale, service businesses, government, and not-for-profit agencies. In addition, this program will enhance the skills of those already employed in the field and those interested in starting or building their own business.

Examples include:

- Public or Private Accounting
- Budgeting
- Financial Statement Preparation/Analysis
- Products Costing
- Management Consulting
- Technology Services/Designing Accounting systems
- Payroll Specialist (Bookkeeping)
- Tax Return Preparation and Advice
- General Accounting Accounting Assistant
- Assistant/Junior/Staff Accountant
- Inventory Specialist/Analyst
- Accounts Payable/Receivable Specialist

General Education Requirements

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- ENG 110 - English Composition I**
Elective - English
- MAT 145 - College Algebra
- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
Elective - Science with Lab
Elective - Science with or without Lab
Elective - Social Science
Elective - Humanities

English Electives (pick one)

- ENG 200 - English Composition II/Studies in Literature**
- ENG 205 - Research Writing
- ENG 225 - Technical Writing

Social Science Electives (pick two)

- ANT 100 - Introduction to Cultural Anthropology**
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**

- GOV 210 - Current Events and Contemporary Issues
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**

Science with Lab Electives (pick one)

- BIO 104 - Principles of Biology I Lecture and
- BIO 114 - Principles of Biology I Lab
- BIO 106 - Principles of Biology II Lecture and
- BIO 116 - Principles of Biology II Lab
- CHM 120 - General Chemistry I
- CHM 122 - General Chemistry II
- GLG 100 - Introduction to Geology

Science Electives (pick one)

- AST 100 - Introduction to Astronomy
- BIO 102 - Life Science

Humanities Electives (pick one)

- HUM 100 - Introduction to Humanities
- ART 101 - Introduction to Art History**
- PHI 110 - Introduction to Philosophy**
- REL 100 - World Religions/Religious Studies
- ART 110 - Introduction to Painting and Sculpting**
- FLM 110 - Introduction to American Cinema
- MUS 200 - Popular American Music in the Twentieth Century

Credit hours: 33

Major Requirements

- ACC 100 - Introduction to Accounting
- ACC 110 - Principles of Accounting
- ACC 200 - Intermediate Accounting I
- ACC 210 - Intermediate Accounting II
- ACC 230 - Managerial Accounting
- ACC 240 - Tax Accounting or
- BUS 125 - Management Principles
- BUS 110 - Introduction to Business
- BUS 210 - Business Law
- ECO 100 - Macroeconomics or
- ECO 110 - Microeconomics
- PHI 225 - Business Ethics

Credit hours: 30

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- ACC 100 - Introduction to Accounting
- CIT 100 - Microcomputer Applications
- MAT 145 - College Algebra
- ENG 110 - English Composition I**
Elective - Humanities

Total Credits (17)

Semester II

- ACC 110 - Principles of Accounting
- BUS 110 - Introduction to Business
- Elective - English
- Elective - Social Science
- Elective - Science with Lab

Total Credits (16)

Semester III

- ACC 200 - Intermediate Accounting I
- ACC 230 - Managerial Accounting
- PHI 225 - Business Ethics
- Elective - Social Science
- Elective - Science with Lab

Total Credits (15)

Semester IV

- ACC 210 - Intermediate Accounting II
- ACC 240 - Tax Accounting or
- BUS 125 - Management Principles
- COM 101 - Public Speaking
- BUS 210 - Business Law
- ECO 100 - Macroeconomics or
- ECO 110 - Microeconomics

Total Credits (15)

Minimum credits to earn A.S. degree: 63

Architectural/Civil: CAD and Design Technology (A.A.S)

A.A.S. Degree

Program Description

The Associate of Applied Science degree in the Architectural/Civil: CAD and Design Technology Program prepares the graduate to work with professional architects and engineers in the design, drafting and layout of buildings, roads and utilities. This program uses Computer Aided Drafting (CAD) and Computer Aided Drafting & Design (CADD) software to facilitate the design and drafting of buildings and building components to include architecture, electrical, HVAC, plumbing, and site work including roads and utilities.

Career Opportunities

- Junior Designer
- CADD Technician
- Survey CADD Technician
- Architectural CADD Technician
- CAD Operator
- Take-off/Estimator
- Structural Technician

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate an understanding of CAD and CADD software and its commands for the creation of drawings.
2. Distinguish between different building components, views, plans and details within a complete architecture project.
3. Identify Architectural and Civil symbols, hatching, and line work used in the creation of Architectural and Civil Plans.
4. Demonstrate the ability to create Civil Site and utility plans with CADD software.
5. Demonstrate strong communication, critical thinking, and team participation skill by describing how to relate drawing and design information to the public and contractors, communicate effectively with architects, engineers, and other building professionals, and use interpersonal and team building skills for effective co-worker and client relationships.

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

General Education Requirements

- FYE 100 - First Year Experience
- LIF 111 - Health and Wellness
- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications

- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab
- COM 101 - Public Speaking
- MAT 115 - Construction Math
- ACE 200 - ACCESS Portfolio
Elective - Social Science

Social Science Electives

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**

Credit hours: 24

Major Requirements

- CAD 105 - Computer Aided Drafting I
- CAD 106 - Computer Aided Drafting II
- CAD 201 - Computer Aided Drafting 3D
- BUI 101 - Civil Survey I
- BUI 102 - Architectural I
- BUI 125 - Architectural Blueprint Reading
- BUI 200 - Building System I - Civil/Survey
- BUI 220 - Building System IV - Architectural
- BUI 221 - Building Component -- Electrical
- BUI 222 - Building Component -- Plumbing/Fire Protection

- BUI 223 - Building Component -- HVAC
- BUI 298 - Architectural/Civil Internship or Free Elective

Credit hours: 38

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- MAT 115 - Construction Math
- CIT 100 - Microcomputer Applications
- CAD 105 - Computer Aided Drafting I
- CAD 106 - Computer Aided Drafting II
- BUI 125 - Architectural Blueprint Reading

Total Credits (16)

Semester II

- LIF 111 - Health and Wellness
- ENG 110 - English Composition I**
- BUI 101 - Civil Survey I
- BUI 102 - Architectural I
Elective - Social Science

Total Credits (15)

Semester III

- PHY 102 - Concepts of Physics and
- PHY 103 - Concepts of Physics Lab
- COM 101 - Public Speaking

- BUI 221 - Building Component -- Electrical
- BUI 222 - Building Component -- Plumbing/Fire Protection
- BUI 223 - Building Component -- HVAC

Total Credits (16)

Semester IV

- ACE 200 - ACCESS Portfolio
- CAD 201 - Computer Aided Drafting 3D
- BUI 200 - Building System I - Civil/Survey
- BUI 220 - Building System IV - Architectural
- BUI 298 - Architectural/Civil Internship or Free Elective

Total Credits (15)

Minimum credits to earn A.A.S. degree: 62

Business Administration (A.S.)

A.S. Degree

Program Description

The Associate of Science (A.S.) degree in Business Administration is designed to provide the foundation necessary for optimal transfer to four year degree programs while simultaneously preparing students for immediate employment in a wide range of business environments requiring advanced business skills. In addition, this program will enhance the skills of those already employed in the field and those interested in starting or building their own business.

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate knowledge of basic management and leadership principles;
2. Collect and critically analyze data and information;
3. Demonstrate the ability to solve complex problems/issues and;
4. Present project/research findings clearly, both orally and in written form;
5. Transfer to a four year college or university for further study in a business field;
6. Obtain employment in a range of business environments requiring advanced business skills.

Obtaining The Degree

To earn the Associate of Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

Career Opportunities

Graduates of this program will be prepared for transfer to a four-year business program or entry-level employment in a wide range of business environments including retail, banking, manufacturing, service businesses, government, and not for profit agencies.

Examples include:

- Office Supervisor
- Bookkeeping, Accounting, and Auditing Clerks
- Customer Service Representative
- Production, Planning and Expediting Clerks
- Administrator
- Employment Interviewer
- Assistant Manager
- Retail Manager
- Small Business Owner and Operator
- Technical Sales Representative
- Personnel/Human Resources Manager

General Education Requirements

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- ENG 110 - English Composition I**
- ENG 200 - English Composition II/Studies in Literature** or
- ENG 205 - Research Writing or
- ENG 225 - Technical Writing
- MAT 145 - College Algebra
- CIT 100 - Microcomputer Applications

- COM 101 - Public Speaking
- Elective - Science with Lab*
- Elective - Science with Lab*
- Elective - Social Science
- Elective - Social Science
- Elective - Humanities

Social Science Electives (pick two)

- ANT 100 - Introduction to Cultural Anthropology**
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- LIB 100 - Information and Research

Humanities Electives (pick one)

- HUM 100 - Introduction to Humanities
- ART 101 - Introduction to Art History**
- PHI 110 - Introduction to Philosophy**
- REL 100 - World Religions/Religious Studies
- ART 110 - Introduction to Painting and Sculpting**
- FLM 110 - Introduction to American Cinema
- MUS 200 - Popular American Music in the Twentieth Century

Credit hours: 34

**Science electives do not have to be sequential or in the same discipline.*

Major Requirements

- BUS 110 - Introduction to Business
- BUS 125 - Management Principles
- BUS 210 - Business Law
- BUS 230 - Principles of Marketing
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- ACC 110 - Principles of Accounting
- ACC 230 - Managerial Accounting
- MAT 200 - Probability and Statistics
- MAT 205 - Applied Calculus for Business

Credit hours: 31

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- ENG 110 - English Composition I**
- MAT 145 - College Algebra
- CIT 100 - Microcomputer Applications
- BUS 110 - Introduction to Business
- Elective - Social Science

Total Credits (17)

Semester II

- BUS 125 - Management Principles
- COM 101 - Public Speaking
- MAT 205 - Applied Calculus for Business
- Elective - Science
- ENG 200 - English Composition II/Studies in Literature** or
- ENG 205 - Research Writing or
- ENG 225 - Technical Writing

Total Credits (17)

Semester III

- MAT 200 - Probability and Statistics
- BUS 210 - Business Law
- ACC 110 - Principles of Accounting
- ECO 100 - Macroeconomics
- Elective - Science

Total Credits (16)

Semester IV

- ACC 230 - Managerial Accounting
- BUS 230 - Principles of Marketing
- ECO 110 - Microeconomics
- Elective - Social Science
- Elective - Humanities

Total Credits (15)

Minimum credits to earn A.S. degree: 65

Business Management (A.A.S)

A.A.S. Degree

Program Description

The Associate of Applied Science degree in Business Management develops leaders at various levels for business, industry, and public service organizations. The thrust of the program is to meet management training needs of organizations and to develop entrepreneurs. Therefore, the program is continually reviewed

and developed in partnership with the business/industry community. The program is organized around four educational themes, which address the need for well-prepared, confident, and technically competent people who can assume leadership roles in entry-level management, and as entrepreneurs.

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate knowledge of basic management and leadership principles;
2. Collect and critically analyze data and information to be applied to business scenarios;
3. Demonstrate the ability to solve complex business problems/issues and;
4. Present project/research findings clearly, both orally and in written form.

Obtaining The Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

Career Opportunities

- Office Supervisor
- Bookkeeping, Accounting, and Auditing Clerks
- Customer Service Representative
- Production, Planning and Expediting Clerks
- Administrator
- Employment Interviewer
- Assistant Manager
- Retail Manager
- Small Business Owner and Operator
- Technical Sales Representative
- Personnel/Human Resources Manager

General Education Requirements

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- MAT 110 - Business Mathematics
- CIT 100 - Microcomputer Applications
- LIF 111 - Health and Wellness
- COM 101 - Public Speaking
- ACE 200 - ACCESS Portfolio
- Elective - Science 3 or 4 Credits
- Elective - Social Science 3 Credits

Social Science Electives:*

- ANT 100 - Introduction to Cultural Anthropology**
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**

Note(s):

**Students can select one/two courses from this list to fulfill the three/six credit requirement in general education/major requirements. (Depends if student takes internship or opts for another Social Science elective.)*

Credit hours: 23-24

Major Requirements

- BUS 110 - Introduction to Business
- BUS 210 - Business Law
- BUS 206 - Operations Management and Process Improvement
- BUS 125 - Management Principles
- BUS 220 - Small Business Management
- BUS 165 - Human Resource Management
- BUS 230 - Principles of Marketing
- BUS 240 - Labor Management Relations
- ECO 100 - Macroeconomics or
- ECO 110 - Microeconomics
- ACC 100 - Introduction to Accounting
- ACC 110 - Principles of Accounting
- ENG 220 - Business Letter and Report Writing
- PHI 225 - Business Ethics or
- BUS 130 - Personal Consumer Finance

- BUS 298 - Business Management Internship or
Elective - Social Science

Credit Hours: 41-42

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- MAT 110 - Business Mathematics
- CIT 100 - Microcomputer Applications
- BUS 110 - Introduction to Business
- ACC 100 - Introduction to Accounting

Total credits (16)

Semester II

- ENG 220 - Business Letter and Report Writing
Elective - Science 3 or 4 Credits
- BUS 220 - Small Business Management
- BUS 125 - Management Principles
- ACC 110 - Principles of Accounting

Total credits (15/16)

Semester III

- BUS 206 - Operations Management and Process Improvement
- BUS 210 - Business Law
- COM 101 - Public Speaking

- BUS 240 - Labor Management Relations
- PHI 225 - Business Ethics or
- BUS 130 - Personal Consumer Finance
Elective - Social Science

Total credits (18)

Semester IV

- LIF 111 - Health and Wellness
- ACE 200 - ACCESS Portfolio
- BUS 165 - Human Resource Management
- BUS 230 - Principles of Marketing
- ECO 100 - Macroeconomics or
- ECO 110 - Microeconomics
- BUS 298 - Business Management Internship or additional
Elective - Social Science 3 Credits

Total Credits (15/16)

Minimum credits to earn A.A.S. degree: 64/66

Child Development (A.A.S.)

A.A.S. Degree

Program Description

A two-year course of study leading to the Associate of Applied Science Degree, this major meets requirements for assistant teachers in nursery schools and child day-care centers.

Graduates are prepared to work with young children and to create and maintain healthful and safe facilities; provide an educational component conducive to intellectual and emotional development; facilitate wholesome social interactions; give adequate custodial care; establish two-way communication with the home; cooperate with their co-workers; keep required records, and behave as a role model.

Graduates of the A.A.S. in Child Development may be accepted for transfer to a four year college or university. However, most four year institutions require a 3.0 grade point average and other courses that are not included in this degree program. Therefore, students who wish to transfer their credits to a four year institution should be enrolled in the Early Childhood Education Associate of Arts Degree.

Career Opportunities

1. Private childcare provider
2. Preschool teacher
3. Kindergarten teacher's assistant
4. Day care center manager
5. Nanny

Program Objectives

Upon completion of the program, the student will be able to:

1. Plan and implement developmentally appropriate programs for their student in coordination with the head teacher;
2. Maintain a healthy and safe environment for their students; and
3. Work cooperatively with families and co-workers.

Obtaining The Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

This degree program requires that all students obtain a current Pennsylvania Criminal Record Check (Act 34), Child Abuse History Clearance (Act 151), FBI Clearance, and a valid TB Skin Test to be eligible for the required field experiences. A student should consider these factors before enrolling into this program

Students are required to have these clearances submitted to the Registrar's Office by October 1 of their first semester. If students fail to have clearances submitted by that time, they will be removed from the program.

General Education Requirements

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- LIF 111 - Health and Wellness
- MAT 126 - Elements of Mathematics I
- ENG 255 - Literature for Children and Adolescents
- PSY 155 - Psychology of Thinking and Learning
- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab

Credit hours: 26

Major Requirements

- ECE 101 - Introduction to Early Childhood Education
- ECE 110 - Child Development
- ECE 140 - Early Childhood Environments
- ECE 198 - Early Childhood Education Practicum I
- ECE 205 - Emerging Literacy
- ECE 211 - Teaching Science for Early Childhood
- ECE 215 - Teaching: Integrating Curriculum through Creative Expression
- ECE 250 - Children, Families, and Community
- ECE 290 - Observation and Assessment in Early Childhood/Inclusion
- ECE 295 - Capstone Seminar in Early Childhood Education
- EDU 120 - Technology for Teaching/Inclusion
- EDU 230 - Children with Special Needs
- EDU 225 - Teaching English Language Learners

Credit hours: 35

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- ECE 101 - Introduction to Early Childhood Education
- ECE 110 - Child Development
- ENG 110 - English Composition I**
- ECE 140 - Early Childhood Environments
- CIT 100 - Microcomputer Applications

Total Credits (16)

Semester II

- MAT 126 - Elements of Mathematics I
- COM 101 - Public Speaking
- LIF 111 - Health and Wellness
- ECE 198 - Early Childhood Education Practicum I
- ECE 205 - Emerging Literacy
- ECE 211 - Teaching Science for Early Childhood

Total Credits (16)

Semester III

- ECE 215 - Teaching: Integrating Curriculum through Creative Expression
- PSY 155 - Psychology of Thinking and Learning
- EDU 120 - Technology for Teaching/Inclusion
- ECE 250 - Children, Families, and Community
- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab

Total Credits (16)

Semester IV

- EDU 230 - Children with Special Needs
- EDU 225 - Teaching English Language Learners
- ECE 290 - Observation and Assessment in Early Childhood/Inclusion
- ECE 295 - Capstone Seminar in Early Childhood Education
- ENG 255 - Literature for Children and Adolescents

Total Credits (13)

Minimum credits to earn A.A.S. degree: 61

Communication Studies (A.A.)

A.A. Degree

Program Description

Communication Studies majors learn how communication interacts with media, technology, and society while developing oral, written, critical thinking, and performance skills to succeed in various work environments. Students have the opportunity to explore the field of Communication Studies physically, visually, and theoretically through coursework.

The Communication Studies degree offers students the experience of being well-rounded in a course of study which provides a foundation for success that transcends numerous fields such as: Business, Teacher Education, Entertainment, Public Relations, Religious Studies, and Journalism.

The Communication Studies degree is a program that provides transferability to most colleges and universities for a baccalaureate program.
Obtaining the Degree

Obtaining the Degree

To earn the Associate of Arts degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major requirements.

Program Objectives

Upon completion of the program, the student will be able to:

1. Transfer to a four-year college or university for further study in a communications field.
2. Develop a personal portfolio containing examples of writing assignments and speeches from Communication classes.
3. Apply a methodological approach to the effective delivery of information to an individual or group.
4. Identify and apply basic principles of verbal, nonverbal, interpersonal, organizational, and small group communication to manage personal, professional, social, and cultural experiences in human communication.
5. Identify the functions of formal and informal communication as it applies to the workplace and life.
6. Discuss the impact of technology on communication
7. Discuss the impact of diversity on communication.

Career Opportunities

- Media Specialist
- Speech Writer
- Entrepreneur
- Marketing Assistant
- Travel Agent
- Reporter
- Paralegal
- Event Planner
- Sales Representative

- Proofreader

General Education Requirements

- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- ENG 200 - English Composition II/Studies in Literature**
- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- MAT 145 - College Algebra
- Elective - Social Science
- Elective - Social Science
- Elective - Social Science
- Elective - Humanities
- Elective - Humanities
- Elective - Science with Lab
- Elective - Science with Lab

Credit hours: 40

Major Requirements

- COM 110 - Interpersonal Communication
- COM 115 - Introduction to Communication
- COM 120 - Organizational Communications
- COM 200 - Media and Society
- COM 210 - Group Dynamics
- ENG 205 - Research Writing
- MAT 200 - Probability and Statistics

Credit hours: 21

Typical Sequence of Courses

Semester I

- ENG 110 - English Composition I**
- MAT 145 - College Algebra
- CIT 100 - Microcomputer Applications
- COM 115 - Introduction to Communication
- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer

Total Credits (14)

Semester II

- COM 101 - Public Speaking
- COM 110 - Interpersonal Communication
- ENG 200 - English Composition II/Studies in Literature**
- MAT 200 - Probability and Statistics
- Elective - Social Science

Total Credits (15)

Semester III

- Elective - Lab Science (2 semesters, same discipline)
- Elective - Humanities
- Elective - Social Science
- COM 120 - Organizational Communications
- ENG 205 - Research Writing

Total Credits (16)

Semester IV

- COM 200 - Media and Society
- COM 210 - Group Dynamics
- Elective - Humanities
- Elective - Social Science
- Elective - Lab Science (2 semesters, same discipline)

Total Credits (16)

Minimum credits to earn A.A. degree: 61

Computer Information and Communications Technology - Network Administration (A.A.S)

A.A.S. Degree

Program Description

The Associate of Applied Science degree in Computer Information and Communications Technology-Network Administration focuses on the computerized technologies that are critical to business and industry both today and tomorrow. This program provides students with the ability to administer a variety of computer networks. Graduates will have an understanding of network operating systems, PC connectivity, network resources, network utilities, and network administration. In addition to an understanding of networks, students will also obtain comprehensive training in the administration of specific operating systems including Linux, numerous Microsoft network operating systems, and other network utilities.

Career Opportunities

- Network Administrator
- Network Technician

Other networking jobs are available for students having the expertise provided through this degree. They include system administrator, computer operations manager, and computer consultant. Furthermore, career opportunities in education and training are available.

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate general computer and networking knowledge.
2. Provide accurate technical explanations of the major components of a computer and the devices used in creating a network environment.
3. Perform routine network administrative tasks including operating system installs and upgrades, configuration, administration and troubleshooting.
4. Identify, organize, plan and allocate resources and the different level of address assignment in the computer network environment.
5. Identify, plan and allocate security in a network environment.

6. Apply strong communication and critical thinking skills including reading, writing, organizing, evaluating, problem solving and presentation skills.

General Education Requirements

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- MAT 145 - College Algebra
- COM 101 - Public Speaking
- CIT 100 - Microcomputer Applications
- LIF 111 - Health and Wellness
- ACE 200 - ACCESS Portfolio
- Elective - Science
- Elective - Social Science

Science Electives:*

- AST 100 - Introduction to Astronomy
- BIO 102 - Life Science
- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab
- CHM 106 - Introductory Chemistry
- CHM 120 - General Chemistry I
- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab

Social Science Electives:*

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture

- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**

Note(s):

**Students must select one course from the Science Electives and one course from the Social Science electives to satisfy the credit requirements in general education.*

Credit hours: 23-24

Major Requirements

- CIT 113 - Advanced Microcomputer Applications
- CIT 132 - Local Area Networks
- CIT 165 - Hardware Components
- CIT 166 - Programming with Visual Basic
- CIT 173 - Windows Enterprise Desktop Operating Systems
- CIT 222 - Linux Operating System
- CIT 226 - Windows Server Management
- CIT 228 - Wireless Networking
- CIT 233 - Windows Enterprise Services
- CIT 237 - TCP/IP Connectivity and Troubleshooting
- CIT 285 - Network Administration Project
- CIT 290 - Network Administration Internship
- CIT 292 - Network Security

Credit hours: 40

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
Elective - Social Science

- ENG 110 - English Composition I**
- MAT 145 - College Algebra
- CIT 100 - Microcomputer Applications
- LIF 111 - Health and Wellness

Total Credits (16)

Semester II

- CIT 165 - Hardware Components
- CIT 132 - Local Area Networks
- CIT 173 - Windows Enterprise Desktop Operating Systems
Elective - Science
- CIT 113 - Advanced Microcomputer Applications

Total Credits (16/17)

Semester III

- CIT 166 - Programming with Visual Basic
- CIT 226 - Windows Server Management
- CIT 237 - TCP/IP Connectivity and Troubleshooting
- COM 101 - Public Speaking
- CIT 222 - Linux Operating System

Total Credits (16)

Semester IV

- ACE 200 - ACCESS Portfolio
- CIT 228 - Wireless Networking
- CIT 233 - Windows Enterprise Services
- CIT 285 - Network Administration Project
- CIT 290 - Network Administration Internship
- CIT 292 - Network Security

Total Credits (15)

Minimum credits to earn A.A.S. degree: 63

Computer Science (A.S.)

A.S. Degree

Program Description

The Associate of Science (A.S.) degree in Computer Science is designed to provide the foundation necessary for optimal transfer to four year degree programs. The degree meets the computer science statewide articulation agreement for transfer to the fourteen Pennsylvania System of State Higher Education institutions and other institutions participating in the Pennsylvania Transfer and Articulation Center agreements.

Program Objectives

Upon completion of the program, the student will be able to:

1. Design and develop program
2. Demonstrate proficiency in computer architecture
3. Demonstrate proficiency in mathematics at the calculus level

Obtaining The Degree

To earn the Associate of Science degree, students must:

- Be admitted to the program as a matriculated student
- Admission to the program is restricted to students who are fully prepared for the level of work required. A strong background in high school mathematics (at least pre-calc) and sciences is desired.
- Entering students will be tested for English, mathematics, and reading deficiencies. Students are expected to remediate deficiencies prior to matriculation.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

Career Opportunities

Graduates of this program will be prepared for transfer to a four-year program.

General Education Requirements

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- CHM 120 - General Chemistry I and
- CHM 122 - General Chemistry II
or
- PHY 120 - Physics (Calculus-based) I and
- PHY 121 - Physics (Calculus-based) I Laboratory
and
- PHY 130 - Physics (Calculus-based) II and
- PHY 131 - Physics (Calculus-based) II Laboratory
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- ENG 200 - English Composition II/Studies in Literature**
- MAT 210 - Calculus I
Elective - Social Science
Elective - Social Science
Elective - Humanities

Social Science Electives

(Choose two)

- ANT 100 - Introduction to Cultural Anthropology**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- GOV 100 - Introduction to American National Government**
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**

Humanities Electives

(Choose one)

- ART 101 - Introduction to Art History**
- MUS 100 - Introduction to Music
- PHI 110 - Introduction to Philosophy**

Credit Hours: 32

Major Requirements

- CIT 132 - Local Area Networks or
- CIT 173 - Windows Enterprise Desktop Operating Systems
- CIT 222 - Linux Operating System or
- CIT 237 - TCP/IP Connectivity and Troubleshooting
- CSC 101 - Introduction to Computer Science
- CSC 125 - Introduction to Programming
- CSC 205 - Problem Solving with Computer Programming
- CSC 210 - Applied Advanced Programming
- CSC 215 - Data Structures
- CSC 220 - Computer Organization and Architecture
- MAT 203 - Foundations of Higher Mathematics
- MAT 220 - Calculus II or
- PHI 245 - Symbolic Logic

Credit Hours: 32-33

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- ENG 110 - English Composition I**
- MAT 210 - Calculus I
- CSC 101 - Introduction to Computer Science
- CSC 125 - Introduction to Programming

Total Credits (15)

Semester II

- ENG 200 - English Composition II/Studies in Literature**
- MAT 220 - Calculus II
- PHI 245 - Symbolic Logic
- COM 101 - Public Speaking
- CSC 205 - Problem Solving with Computer Programming
- Elective - Social Science

Total Credits (16)

Semester III

- CSC 210 - Applied Advanced Programming
- CIT 132 - Local Area Networks or
- CIT 173 - Windows Enterprise Desktop Operating Systems
- MAT 203 - Foundations of Higher Mathematics
- PHY 120 - Physics (Calculus-based) I
- PHY 121 - Physics (Calculus-based) I Laboratory or
- CHM 120 - General Chemistry I
- Elective - Humanities

Total Credits (16/17)

Semester IV

- CIT 222 - Linux Operating System or
- CIT 237 - TCP/IP Connectivity and Troubleshooting
- CSC 215 - Data Structures
- CSC 220 - Computer Organization and Architecture
- PHY 130 - Physics (Calculus-based) II
- PHY 131 - Physics (Calculus-based) II Laboratory or
- CHM 122 - General Chemistry II
- Elective - Social Science

Total Credits (17)

Minimum credits to earn A.S. degree: 64

Criminal Justice (A.A.S.)

A.A.S. Degree

Program Description

The Associate of Applied Science degree in Criminal Justice teaches students the fundamentals of the criminal justice system and criminal justice skills. Areas of study include corrections, law enforcement, and the court system. The program develops knowledge of human behavior, the social environment and community resources while providing an introduction to the complex network within the criminal justice system. The curriculum is designed to offer a balance of theory and application to encourage and develop critical thinking skills. The degree in Criminal Justice enables students and current police officers to enhance their skill and knowledge base in working with diverse populations, and provides a foundation for those wishing to pursue a bachelor's degree in Criminal Justice or related course of study.

Career Opportunities

Criminal Justice is a rapidly growing field of interest. The Criminal Justice program provides the opportunity to build a solid foundation in the area of criminal justice, which will help to prepare students for various entry-level positions in areas such as:

- Corrections Officer
- Police Officer (To be employed in Pennsylvania, an individual must successfully complete a certified Act 120 program.)
- PA State Police Officer Eligibility
- Corporate Security Officer
- Police-Community Liaison
- Juvenile Justice Worker
- Probation/Parole Officer
- School Security

Program Objectives

Upon completion of the program, the student will be able to:

- Define the major concepts, theoretical perspectives of the criminal justice system (courts, criminal law, criminal procedures, and the adult and juvenile justice systems), and history as they relate to the disciplines of sociology and criminology.
- Identify and analyze emerging trends (deviance, victimology, punishment, etc.) in the criminal justice field through research and statistical data.
- Apply skills and knowledge working with diverse populations in law enforcement, corrections, probation and parole.
- Communicate and apply fundamental ethical, management, leadership, and legal guidelines (e.g., Constitutional law) which govern the field of Criminal Justice.

Obtaining the Degree

To earn the Associate of Applied Science Degree in Criminal Justice, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements of 63 credits.

General Education Requirements

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- LIF 111 - Health and Wellness
- CIT 100 - Microcomputer Applications
- MAT 110 - Business Mathematics or
- MAT 145 - College Algebra
- CRJ 212 - Special Topics in Criminal Justice or
Elective - Social Science (including CRJ 115)
- COM 101 - Public Speaking
- ACE 200 - ACCESS Portfolio
- BIO 102 - Life Science

Social Science Electives

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- SOC 205 - Race, Class, and Gender in Society

Credit hours: 23

Major Requirements

- CRJ 100 - Corrections

- CRJ 110 - Introduction to Criminal Justice
- CRJ 150 - Juvenile Justice
- CRJ 260 - Deviance & Victimology
- CRJ 295 - Criminal Justice Internship
- CRJ 210 - Probation and Parole
- PSY 100 - General Psychology**
- PSY 200 - Abnormal Psychology
- SOC 100 - Introduction to Sociology**
- SOC 200 - Contemporary Social Issues
- LIF 130 - Biohazard Seminar
- CRJ 215 - Criminal Law and Procedure
- CRJ 225 - Criminological Theory
- CRJ 235 - Criminal Investigation and Policing

Credit hours: 40

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- SOC 100 - Introduction to Sociology**
- CIT 100 - Microcomputer Applications
- CRJ 110 - Introduction to Criminal Justice
- MAT 110 - Business Mathematics or
- MAT 145 - College Algebra

Total Credits (16)

Semester II

- PSY 100 - General Psychology**
- CRJ 210 - Probation and Parole
- CRJ 212 - Special Topics in Criminal Justice or
Elective - Social Science (including CRJ 115)
- CRJ 150 - Juvenile Justice

- CRJ 100 - Corrections
- BIO 102 - Life Science

Total Credits (18)

Semester III

- SOC 200 - Contemporary Social Issues
- LIF 111 - Health and Wellness
- COM 101 - Public Speaking
- CRJ 215 - Criminal Law and Procedure
- CRJ 225 - Criminological Theory

Total Credits (15)

Semester IV

- PSY 200 - Abnormal Psychology
- LIF 130 - Biohazard Seminar
- ACE 200 - ACCESS Portfolio
- CRJ 260 - Deviance & Victimology
- CRJ 235 - Criminal Investigation and Policing
- CRJ 295 - Criminal Justice Internship or
- CRJ 212 - Special Topics in Criminal Justice

Total Credits (14)

Minimum credits to earn A.A.S. Degree: 63

Criminal Justice (A.S.)

A.S. Degree

Program Description

The Associate of Science degree in Criminal Justice prepares students for transfer to a four-year institution. The program teaches students the fundamentals of the criminal justice system and criminal justice skills. Areas of study include corrections, law enforcement, and the court system. The program develops knowledge of human behavior, the social environment and community resources while providing an introduction to the complex network within the criminal justice system. The curriculum is designed to offer a balance of theory and application to encourage and develop critical thinking skills. The degree in Criminal Justice enables students and current police officers to enhance their skill and knowledge base in working with diverse populations, and provides a foundation for those wishing to pursue a bachelor's degree in Criminal Justice or related course of study.

Career Opportunities

Criminal Justice is a rapidly growing field of interest. The Criminal Justice program provides the opportunity to build a solid foundation in the area of criminal justice, which will help to prepare students for various entry-level positions in areas such as:

- Corrections Officer
- Police Officer (To be employed in Pennsylvania, an individual must successfully complete a certified Act 120 program.)
- PA State Police Officer Eligibility
- Corporate Security Officer
- Police-Community Liaison
- Juvenile Justice Worker
- Probation/Parole Officer
- School Security

Program Objectives

Upon completion of the program, the student will be able to:

- Define the major concepts, theoretical perspectives of the criminal justice system (courts, criminal law, criminal procedures, and the adult and juvenile justice systems), and history as they relate to the disciplines of sociology and criminology.
- Identify and analyze emerging trends (deviance, victimology, punishment, etc.) in the criminal justice field through research and statistical data.
- Apply skills and knowledge working with diverse populations in law enforcement, corrections, probation and parole.
- Communicate and apply fundamental ethical, management, leadership, and legal guidelines (e.g., Constitutional law) which govern the field of Criminal Justice.

Obtaining the Degree

To earn the Associate of Applied Science Degree in Criminal Justice, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements of 64 credits.

General Education Requirements

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications
- MAT 145 - College Algebra or
- MAT 200 - Probability and Statistics
- COM 101 - Public Speaking
- TRN 115 - Introduction to Transfer
- SOC 100 - Introduction to Sociology**
- PSY 100 - General Psychology**
- ENG 200 - English Composition II/Studies in Literature**
- ART 101 - Introduction to Art History** or
- MUS 100 - Introduction to Music or
- PHI 110 - Introduction to Philosophy**
- BIO 104 - Principles of Biology I Lecture and
- BIO 114 - Principles of Biology I Lab
- BIO 106 - Principles of Biology II Lecture and
- BIO 116 - Principles of Biology II Lab or
- BIO 108 - Forensic Biology Lecture and
- BIO 118 - Forensic Biology Lab

Credit hours: 34

Major Requirements

- CRJ 100 - Corrections
- CRJ 110 - Introduction to Criminal Justice
- CRJ 150 - Juvenile Justice
- CRJ 260 - Deviance & Victimology
- PSY 200 - Abnormal Psychology
- SOC 200 - Contemporary Social Issues
- CRJ 115 - Ethics in Criminal Justice
- CRJ 215 - Criminal Law and Procedure
- CRJ 225 - Criminological Theory
- CRJ 235 - Criminal Investigation and Policing

Credit hours: 30

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- SOC 100 - Introduction to Sociology**
- CIT 100 - Microcomputer Applications
- CRJ 110 - Introduction to Criminal Justice
- MAT 145 - College Algebra or
- MAT 200 - Probability and Statistics

Total Credits (16)

Semester II

- CRJ 100 - Corrections
- CRJ 150 - Juvenile Justice
- TRN 115 - Introduction to Transfer
- PSY 100 - General Psychology**
- CRJ 115 - Ethics in Criminal Justice
- ENG 200 - English Composition II/Studies in Literature**

Total Credits (16)

Semester III

- COM 101 - Public Speaking
- SOC 200 - Contemporary Social Issues
- CRJ 215 - Criminal Law and Procedure
- CRJ 225 - Criminological Theory
- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab

Total Credits (16)

Semester IV

- CRJ 260 - Deviance & Victimology
- PSY 200 - Abnormal Psychology
ART 101, MUS 100, or PHI 110
- CRJ 235 - Criminal Investigation and Policing
- BIO 106 - Principles of Biology II Lecture
- BIO 116 - Principles of Biology II Lab or
- BIO 108 - Forensic Biology Lecture
- BIO 118 - Forensic Biology Lab

Total Credits (16)

Minimum credits to earn A.S. degree: 64

Early Childhood Education (A.A.)

A.A. Degree

Program Description

The education of the young child, birth to age 8, is a rapidly growing field. The students in this degree program develop professional knowledge, skills and abilities needed to successfully work in private or public early childhood educational setting and continue on for a baccalaureate degree by transferring to a four year institution. Our students apply foundational concepts from general education coursework to early childhood practice: learn to self-assess and to advocate for themselves as students and as professionals, strengthen skills in written and verbal communication, learn to identify and use professional resources, and make connections between these "college skills" and lifelong professional practice. These options provide the student with the knowledge to apply general education and early childhood education theory and practice to create effective learning environments and interactions for all children birth through grade 4.

Obtaining the Degree

Students must be able to meet all of the following requirements in order to graduate from this program:

- Matriculate into the program,
- Satisfactorily complete all degree requirements including all General Education and major course requirements.

Program Objectives

A graduate of the Early Childhood Education program will be able to:

1. Create healthy, safe, supportive, respectful, and challenging environments for all children based on an understanding of child development and learning (NAEYC standard 1).
2. Demonstrate respectful, reciprocal relationships with families and communities in order to empower families in children's learning and development and adapt learning experiences to address the diversity found in child development, family structures, and society (NAEYC standard 2).
3. Engage in authentic responsible use of observation, documentation, assessment, and evaluation in order to inform teaching, to identify child needs and strengths, and to determine family and community needs and strengths thus enhancing child learning and development (NAEYC standard 3).
4. Plan, implement, and evaluate developmentally appropriate learning experiences for all children from birth through 4th grade (NAEYC standard 4).
5. Present a professional portfolio documenting professional credentialing, experiences in the field, hours spent in the field, competency level, and use it in a professional interview defining themselves as professionals in the field of early childhood education (NAEYC standard 5).
6. Demonstrate and articulate early childhood education professional values, ethics, and philosophy (NAEYC standard 5).

Graduates are prepared to enter the workforce to care for and educate children ages birth – 9 years, through either a variety of inclusive care and education settings or by transferring to 4-year colleges/universities to attain a teaching certification for PreK-4th Grade.

A student should consider these factors before enrolling into this program:

1. This degree program requires that all students obtain a current Pennsylvania Criminal Record Check (Act 34), Child Abuse History Clearance (Act 151), FBI Clearance, and a valid TB Skin Test to be eligible for the required field experiences. Students are REQUIRED to have these clearances submitted to the Registrar's Office by October 1 of their first semester. If students fail to have clearances submitted by that time, they will be removed from the program.
2. Student must have completed ALL developmental work prior to being accepted into Early Childhood Education Associate of Arts Degree or have passed all sections of the Compass Entrance Exam.
3. Once admitted, students must maintain a 3.0 average. Students who fall below 3.0 must change their major to Child Development or another degree or certificate program.
4. Students may not receive any grade lower than a C in any general education or major course that is required by this degree.

This degree follows the curriculum set by the Pennsylvania Department of Education Transfer and Articulation Oversight Committee (TAOC) on November 11, 2011, and is transferable to all Pennsylvania State System of Higher Education colleges. However, in planning to transfer, please remember to check with the transfer institution to make sure that you meet all requirements. Universities and colleges that are not in the Pennsylvania State System of Higher Education, such as the University of Pittsburgh, Mt. Aloysius College, and Carlow University may have different requirements.

General Education Requirements

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- ENG 200 - English Composition II/Studies in Literature**
- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- MAT 126 - Elements of Mathematics I
- MAT 127 - Elements of Mathematics II
- PSY 155 - Psychology of Thinking and Learning
- ART 101 - Introduction to Art History** or
- MUS 100 - Introduction to Music
- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab

Credit hours: 32

Major Requirements

- ECE 101 - Introduction to Early Childhood Education
- ECE 110 - Child Development
- ECE 198 - Early Childhood Education Practicum I
- ECE 205 - Emerging Literacy
- ECE 211 - Teaching Science for Early Childhood
- ECE 215 - Teaching: Integrating Curriculum through Creative Expression
- ECE 250 - Children, Families, and Community
- ECE 290 - Observation and Assessment in Early Childhood/Inclusion
- ECE 295 - Capstone Seminar in Early Childhood Education
- EDU 120 - Technology for Teaching/Inclusion
- EDU 230 - Children with Special Needs
- EDU 225 - Teaching English Language Learners

Credit hours: 32

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- ECE 101 - Introduction to Early Childhood Education
- ECE 110 - Child Development
- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications
- Elective - History or Geography

Total Credits (16)

Semester II

- COM 101 - Public Speaking
- MAT 126 - Elements of Mathematics I
- ECE 211 - Teaching Science for Early Childhood
- ECE 205 - Emerging Literacy
- ECE 198 - Early Childhood Education Practicum I
- ART 101 - Introduction to Art History** or

- MUS 100 - Introduction to Music

Total Credits (16)

Semester III

- ECE 215 - Teaching: Integrating Curriculum through Creative Expression
- MAT 127 - Elements of Mathematics II
- EDU 120 - Technology for Teaching/Inclusion
- PSY 155 - Psychology of Thinking and Learning
- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab

Total Credits (16)

Semester IV

- ECE 250 - Children, Families, and Community
- ECE 290 - Observation and Assessment in Early Childhood/Inclusion
- ECE 295 - Capstone Seminar in Early Childhood Education
- EDU 230 - Children with Special Needs
- EDU 225 - Teaching English Language Learners
- ENG 200 - English Composition II/Studies in Literature**

Total Credits (16)

Minimum credits to earn A.A. Degree: 64

Environmental Science (A.S.)

A.S. Degree

Program Description

The Associate of Science (A.S.) degree in Environmental Science-Biology Related Programs Track is designed to provide the foundation necessary to transfer the full degree into a parallel bachelor degree program in Environmental Science, Environmental Studies or Biology at a participating institution in Pennsylvania's statewide college credit transfer system agreement.

The courses in this major follow the guidelines set forth by the Pennsylvania Department of Education (PDE) Statewide Program-to-Program Articulation Agreement in Environmental Sciences which were approved by the Transfer and Articulation Oversight Committee (TAOC). If students wish to transfer out of Pennsylvania to another four-year institution to continue the pursuit of a bachelor's degree it is best to check with that institution on transferable classes from this degree.

Obtaining the Degree

To earn the Associate of Science degree, students must:

- Be admitted to the program as a matriculated student
- Admission to the program is restricted to students who are fully prepared for the level of work required. A strong background in high school math (at least Algebra and Trigonometry) and sciences is desired.
- Entering students will be tested for English, math, and reading deficiencies. Students are expected to remediate deficiencies prior to matriculation.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

Program Objectives

Upon completion of the program, the student will be able to:

1. Think critically.
2. Use scientific and quantitative reasoning.
3. Apply information literacy.
4. Demonstrate effective written and verbal communication skills.
5. Demonstrate awareness of diversity.
6. Demonstrate technical expertise.
7. Acquiring skills needed for immediate workforce entry

Career Opportunities

Graduates of this program will be prepared for transfer to a four-year program or enter the job field. Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health, under the direction of an environmental scientist, engineer, or other specialist. May collect samples of gases, soil, water, and other materials for testing.

Examples include:

- Pollution Control Technician
- Waste Minimization Technician
- Infectious Waste Technician

- Groundwater Monitoring Technician

General Education Requirements

- FYE 100 - First Year Experience
- BIO 104 - Principles of Biology I Lecture
- BIO 106 - Principles of Biology II Lecture
- BIO 114 - Principles of Biology I Lab
- BIO 116 - Principles of Biology II Lab
- CHM 120 - General Chemistry I
- CHM 122 - General Chemistry II
- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- ENG 200 - English Composition II/Studies in Literature**
- TRN 115 - Introduction to Transfer
- MAT 145 - College Algebra
- MAT 200 - Probability and Statistics

Credit hours: 36

Major Requirements

- BIO 207 - Ecology
- BIO 208 - Genetics
- BIO 217 - Ecology Lab
- BIO 218 - Genetics Lab
- ENV 110 - Introductory Environmental Science
- GLG 100 - Introduction to Geology
- PHY 110 - Physics (Algebra-based) I
- PHY 111 - Physics (Algebra-based) I Lab
- PHY 115 - Physics (Algebra-based) II
- PHY 116 - Physics (Algebra-based) II Lab

Credit hours: 27

Typical Sequence of Courses

Semester I

- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab
- CHM 120 - General Chemistry I
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- ENV 110 - Introductory Environmental Science

Total Credits (16)

Semester II

- BIO 106 - Principles of Biology II Lecture
- BIO 116 - Principles of Biology II Lab
- CIT 100 - Microcomputer Applications
- ENG 200 - English Composition II/Studies in Literature**
- MAT 145 - College Algebra
- CHM 122 - General Chemistry II

Total Credits (17)

Semester III

- BIO 207 - Ecology
- BIO 217 - Ecology Lab
- GLG 100 - Introduction to Geology
- MAT 200 - Probability and Statistics
- PHY 110 - Physics (Algebra-based) I
- PHY 111 - Physics (Algebra-based) I Lab

Total Credits (15)

Semester IV

- BIO 208 - Genetics
- BIO 218 - Genetics Lab
- COM 101 - Public Speaking
- PHY 115 - Physics (Algebra-based) II
- PHY 116 - Physics (Algebra-based) II Lab

Total Credits (15)

Minimum credits to earn A.S, degree: 63

General Studies (A.A.)

A.A. Degree

Program Description

General Studies is a flexible program designed for those who plan to transfer to a four-year institution; those who are looking for personal enrichment; and those who are uncertain about their major area of study. With the careful guidance of an academic advisor, students can tailor their studies to best address their objectives.

The General Studies program offers maximum flexibility for students who plan to transfer to a four-year institution. The 30-credit general education core offers courses that transfer smoothly and seamlessly to Pennsylvania State System of Higher Education universities and other local colleges and universities.

The large number of open electives enables students to tailor their program to their individual needs and interests.

The degree also offers students the opportunity to explore the entire curriculum and discover a variety of possibilities for future careers.

Students can develop their creativity in literature and arts; explore the potential of technology; expand awareness of global cultures and the human condition; enhance mathematical and scientific reasoning; and refine oral and written communication skills.

Program Objectives

Upon completion of the program, the student will be able to:

1. Effectively design a plan for successful transfer into to their chosen 4 year major and will be able to make an informed decision in order to choose a proper career path
2. Demonstrate the ability to effectively communicate and interact (both in writing and orally) with a diverse population.
3. Apply skills to solve basic technical and mathematical problems.
4. Demonstrate a critical appreciation for the creative process in art, music, literature, and/or language

Obtaining the Degree

To earn the Associate of General Studies Degree, the student must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements.

Areas of Interest

Make the most of your General Studies degree by exploring an area of interest. The General Studies major is designed with maximum flexibility for those who plan to transfer to a four-year institution; those who are looking for personal enrichment; and those who are uncertain about their major area of study. Students are encouraged to use elective opportunities to explore an area of study which interests them. Completing coursework from an area of interest can assist a student with choosing a future degree or career path and can add additional focus to the General Studies degree.

Students who plan to transfer to a four-year institution should consult their transfer institution for guidance regarding maximum transferability of coursework completed at Pennsylvania Highlands. With the careful guidance of an academic advisor, students can tailor their studies to best address their long-term objectives.

Sample areas of interest:

Art and Music

ART 101 - Introduction to Art History
ART 105 - Drawing Fundamentals
ART 110 - Introduction to Painting and Sculpting
MUS 100 - Introduction to Music
MUS 200 - Popular American Music in the Twentieth Century
HIS 205 - American Popular Culture

Biological Sciences

BIO 104 - Principles of Biology I AND BIO 114 Principles of Biology I Lab
BIO 106 - Principles of Biology II AND BIO 116 Principles of Biology II Lab
BIO 108 - Forensic Biology AND BIO 118 Forensic Biology Lab
BIO 206 - Microbiology and BIO 216 Microbiology Lab
BIO 207 - Ecology AND BIO217 Ecology Lab
BIO 208 - Genetics AND BIO 218 Genetics Lab
CHM 120 - General Chemistry I
CHM 122 - General Chemistry II
MAT 200 - Probability and Statistics
PHI 240 - Bioethics

Film and Theater

FLM 110 - Introduction to American Cinema
THR 110 - Acting I
THR 200 - Directing I
HIS 205 - American Popular Culture
HIS 250 - World War II through Film

History

HUM 100 - Introduction to Humanities
HIS 200 - American Immigration
HIS 205 - American Popular Culture
HIS 210 - The Civil War and Reconstruction
HIS 220 - The Vietnam War
HIS 250 - World War II through Film

Literature

ENG 230 - Survey of American Literature I
ENG 235 - Survey of American Literature II
ENG 240 - Survey of British Literature I
ENG 245 - Survey of British Literature II
ENG 250 - Women and Literature
ENG 255 - Literature for Children and Adolescents
ENG 260 - Monsters in Literature
ENG 271 - World Literature

Math

MAT 170 - Pre-calculus
MAT 200 - Probability and Statistics
MAT 203 - Foundations of Higher Mathematics
MAT 210 - Calculus I
MAT 220 - Calculus II
MAT 230 - Calculus III

Nanofabrication Technology

CHM 106 - Introductory Chemistry
CHM 110 - Survey of Organic and Biochemistry
PHY102/103 - Concepts of Physics
COM 110 - Interpersonal Communications
ELT 102 - Introduction to Nanofabrication

Office Technology

CIT 110 - Theory of Computing
CIT 102 - Microsoft Access
CIT 103 - Microsoft Excel
CIT 105 - Microsoft PowerPoint
CIT 107 - Microsoft Word

Philosophy and Religion

PHI 100 - Critical Thinking
PHI 110 - Introduction to Philosophy
PHI 200 - Introduction to Ethics
PHI/PSY 205 - Death and Dying
PHI/BUS 225 - Business Ethics
PHI 240 - Bioethics
REL 100 - World Religions/Religious Studies
REL 200 - Understanding the Bible
REL/PHI 235 - Philosophy of Religion

Technology

CIT 110 - Theory of Computing
CIT132 - Local Area Networks
CIT165 - Hardware Components
CIT173 - Windows Enterprise Desktop Operating Systems
CIT222 - Linux Operating System

Writing

ENG 205 - Research Writing
ENG 215 - Creative Writing
ENG 220 - Business Letter and Report Writing
ENG 225 - Technical Writing

General Education Requirements

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- ENG 110 - English Composition I**
- ENG 200 - English Composition II/Studies in Literature**
- COM 101 - Public Speaking
- MAT 145 - College Algebra

- CIT 100 - Microcomputer Applications
Elective - Social Science (Track 1)
Elective - Social Science (Track 2)
Elective - Humanities (Track 1)
Elective - Humanities (Track 1 or Track 2)
Elective - Science
Elective - Humanities or Social Science

Science Electives

- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab
- CHM 106 - Introductory Chemistry
- CHM 120 - General Chemistry I
- GLG 100 - Introduction to Geology
- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab
- PHY 110 - Physics (Algebra-based) I
- PHY 111 - Physics (Algebra-based) I Lab
- PHY 120 - Physics (Calculus-based) I
- PHY 121 - Physics (Calculus-based) I Laboratory

Social Science Track 1 Electives

- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film

Social Science Track 2 Electives

- ANT 100 - Introduction to Cultural Anthropology**

- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- PSY 100 - General Psychology**
- PSY 155 - Psychology of Thinking and Learning
- PSY 200 - Abnormal Psychology
- PSY 210 - Psychology of Aging
- PSY 220 - Introduction to Counseling
- PSY 230 - Human Exceptionality
- SOC 100 - Introduction to Sociology**
- SOC 200 - Contemporary Social Issues
- SOC 205 - Race, Class, and Gender in Society

Humanities Track 1 Electives

- ART 101 - Introduction to Art History**
- PHI 110 - Introduction to Philosophy**
- REL 100 - World Religions/Religious Studies
- MUS 100 - Introduction to Music

Humanities Track 2 Electives

- ART 105 - Drawing Fundamentals
- ART 110 - Introduction to Painting and Sculpting**
- ASL 101 - American Sign Language I
- ASL 102 - American Sign Language II
- ENG 205 - Research Writing
- ENG 215 - Creative Writing
- ENG 230 - Survey of American Literature I
- ENG 235 - Survey of American Literature II
- ENG 240 - Survey of British Literature I
- ENG 245 - Survey of British Literature II
- ENG 250 - Women and Literature
- ENG 255 - Literature for Children and Adolescents
- ENG 260 - Monsters in Literature
- ENG 271 - World Literature
- FLM 110 - Introduction to American Cinema
- HUM 100 - Introduction to Humanities
- HUM 101 - Foundations of Literature and the Arts in Western Culture
- MUS 200 - Popular American Music in the Twentieth Century
- PHI 100 - Critical Thinking
- PHI 200 - Introduction to Ethics
- PHI 205 - Death and Dying
- PHI 225 - Business Ethics

- PHI 240 - Bioethics
- PHI 245 - Symbolic Logic
- REL 200 - Understanding the Bible
- REL 235 - Philosophy of Religion
- THR 120 - Acting I
- THR 200 - Directing I

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications
- Elective - Social Science (Track 1)
- Elective - Open

Total Credits (14)

Semester II

- ENG 200 - English Composition II/Studies in Literature**
- MAT 145 - College Algebra
- Elective - Open
- Elective - Humanities (Track 1)
- Elective - Open

Total Credits (15)

Semester III

- COM 101 - Public Speaking
- Elective - Humanities or Social Science
- Elective - Science
- Elective - Open

Elective - Open

Total Credits (16)

Semester IV

Elective - Humanities (Track 1 or Track 2)

Elective - Social Science (Track 2)

Elective - Open

Elective - Open

Elective - Open

Total Credits (15)

Minimum credits to earn A.A. degree: 60

Health Professions - Histotechnology (A.A.S.)

A.A.S. Degree

Program Description

The Associate of Applied Science Degree in Health Professions - Histotechnology is a comprehensive approach to preparing students to acquire expertise in the field of histology. Histology is a structural science concerned with the demonstration of cellular morphology, chemical composition and function of normal and abnormal tissue. The responsibilities of the histology technician include preparing all specimens, particularly tissue specimens removed at surgery, for examination. Types of specimens include tiny biopsies, whole organs, and foreign objects removed at surgery (e.g. bullets, glass fragments, coins). The technician prepares specimen blocks using microtomy, does special stains, and performs other activities necessary for the preparation of tissue sections for microscope diagnosis and examination. Histotechnology is a dynamic profession with continual evolution of new procedures and methodology.

The program is offered in partnership with the hospital based histology technician diploma program at Conemaugh Memorial Medical Center. The College provides classroom instruction and the hospital based program provides specialized classroom and clinical experience. Students who declare this major will be considered pre-histotechnology students and should apply to the Conemaugh School of Histotechnology during their second semester as they near completion of the 28 credits of general education courses. If accepted to the clinical component of the program, students will complete a summer orientation program prior to beginning semester three of the histotechnology major.

Career Opportunities

Upon successful completion of all program requirements, the graduate has the option of registering and completing the National Registry Examination of the American Society of Clinical Pathologists (ASCP) exam at a participating center. The College does not guarantee results of this registry exam. There are also numerous opportunities for continuing education, professional growth and advancement via state professional societies and the National Society for Histotechnology.

- Clinical technician in a variety of settings
- Management
- Research
- Education
- Sales

The median salary for a histology technician in the United States is \$49,333 (Salaries.com, 2011).

Program Objectives

Upon completion of the program, the student will be able to:

1. Exercise principles of safety and practices in a professional manner within ethico-legal dimensions.
2. Synthesize knowledge and clinical techniques in accessioning, fixation, tissue processing, embedding, routine and special staining, immunochemistry, frozen section procedures and trouble shooting in histopathology.
3. Evaluate factors that affect histotechnology processes and makes corrections as warranted.
4. Master expected competencies in an accountable and professional manner as an entry level histotechnician in collaboration with other health team members and complimentary to medicine.

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Complete required 28 general education credits at Pennsylvania Highlands
- Apply to Conemaugh School of Histotechnology and meet admission requirements for the clinical component of the program.
- Complete 8 credits of chemistry and 27 clinical histotechnology credits.
- Satisfactorily pass the comprehensive final exam in the histotechnology program.
- Satisfactorily complete all degree requirements.

Conemaugh School of Histotechnology Information Guide for Advisement

Accreditation Requirements for Admission:

- Must be a graduate of an approved high school or possess a General Educational Development (GED) Certificate.
- It is preferred that graduates be ranked in the upper two-thirds of their graduating class, and a minimum grade point average of 2.2 or college course progression of 2.0 GPA.
- Successfully completed high school or college-level algebra, biology and chemistry with a C grade or greater.

Submission of Application:

Application to Conemaugh School of Histotechnology should be completed in spring semester, or early summer semester of the first year at Pennsylvania Highlands Community College in the required curriculum plan. Application is available at www.conemaugh.org.

- Three references required: two should be from guidance counselors, science teachers or employers. One personal reference from a non-relative is also required.
- Histotechnology Program will contact applicant to set up an interview.

Health Requirements:

- Pre-entrance health exam must be completed within 30 days before the start of the first clinical course.
- Records must be submitted: Tetanus toxoid, urinalysis or urine dipstick, rubella (qualitative positive or negative) - if non-immune reaction then immunized, rubeola (qualitative positive or negative) - if non-immune reaction then immunized, varicella zoster (qualitative positive or negative) - IGG

if there is a negative history or vague about having chickenpox, Hepatitis B surface antigen or Hepatitis B vaccine can be given by the hospital and chest x-ray if clinically indicated or a history of tuberculin skin test that is positive. All records must be submitted 30 days prior to start of clinical courses.

- Dental exam, with any repair measures documented, completed within 6 months prior to start of clinical courses.
- Vision exam, with correction, administered within 1 year prior to clinical courses completed by optometrist or ophthalmologist.

Criminal Clearances:

Must be completed and report returned prior to enrollment in clinical courses. Should be initiated 2-3 months prior to enrollment.

- Federal Cogent Criminal Clearance History and Record Information (Act 34 Clearance).
- Pennsylvania Child Abuse History Clearance (Act 33 Clearance).
- If an applicant has not been a resident of Pennsylvania for the past two consecutive years, an additional clearance through the Department of Aging is required. This is required by the Older Adults Protective Services Law.
- Information regarding conviction of prohibitive offenses that result in non-admission or termination of clinical privileges may be obtained upon request from Conemaugh Health System Human Resource Department.

Urine Drug Screen Testing:

Testing is conducted 30 days prior to enrollment in the first clinical course. Testing may only be done by the School's Student Health Nurse, Conemaugh Employee Health Office or Corporate Care Office. The drug screen must be negative.

Applicant must possess a social security number. Applicant cannot have been terminated from the Conemaugh Health System as an employee.

General Education Requirements

- ACE 200 - ACCESS Portfolio
- BIO 202 - Human Anatomy and Physiology I
- BIO 204 - Human Anatomy and Physiology II
- BIO 212 - Human Anatomy and Physiology Lab I
- BIO 214 - Human Anatomy and Physiology Lab II
- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- LIF 111 - Health and Wellness
- MAT 131 - Intermediate Algebra
- PSY 100 - General Psychology**

Credit hours: 28

Major Requirements

- CHM 106 - Introductory Chemistry
- CHM 110 - Survey of Organic and Biochemistry
- HST 100 - Histotechnology 100
- HST 200 - Histotechnology 200

- HST 250 - Histotechnology

Credit hours: 35

Typical Sequence of Courses

Semester I

- BIO 202 - Human Anatomy and Physiology I
- BIO 212 - Human Anatomy and Physiology Lab I
- CIT 100 - Microcomputer Applications
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- PSY 100 - General Psychology**

Total Credits (14)

Semester II

- ACE 200 - ACESS Portfolio
- BIO 204 - Human Anatomy and Physiology II
- BIO 214 - Human Anatomy and Physiology Lab II
- COM 101 - Public Speaking
- LIF 111 - Health and Wellness
- MAT 131 - Intermediate Algebra

Total Credits (14)

Semester III

- CHM 106 - Introductory Chemistry
- HST 100 - Histotechnology 100

Total Credits (13)

Semester IV

- CHM 110 - Survey of Organic and Biochemistry
- HST 200 - Histotechnology 200

Total Credits (13)

Semester V (Summer)

- HST 250 - Histotechnology

Total Credits (9)

Minimum credits to earn A.A.S. degree: 63

Health Professions - Paramedic (A.A.S.)

A.A.S. Degree

Program Description

The Associate of Applied Science Degree in Health Professions - Paramedic is a structured educational approach to preparing healthcare professionals that function in emergency medical services. Applicants must possess current Pennsylvania Certification as an Emergency Medical Technician. Paramedics provide advanced levels of care for acute medical problems and trauma. Coursework emphasizes scientific knowledge, clinical and field experience, and caring abilities in the role of pre-hospital medicine. Students complete 400 hours of classroom instruction, including 100 hours of skill laboratory time, and 500 clinical hours as part of the Conemaugh curriculum. Upon completion of the Conemaugh program, students receive a certificate and are eligible to sit for the National Registry EMT-P exam which serves as Pennsylvania's State Paramedic Exam. Earning the associate degree provides students with career ladder opportunities including the ability to pursue a bachelor's degree in emergency medical services or other health related professions.

The program is offered in partnership with the hospital based paramedic program at Conemaugh Memorial Medical Center. The College provides classroom instruction and the hospital based program provides specialized classroom and clinical experience.

Career Opportunities

Upon successful completion of all program requirements and receipt of Pennsylvania certification, graduates will have numerous opportunities for employment, continuing education, and professional growth and advancement.

- Emergency Medical Services practitioner in a variety of settings
- Management
- Emergency Dispatcher
- Education
- Sales

The median salary for a paramedic in the United States is \$38,128 (Salaries.com, 2011).

Program Objectives

Upon completion of the program, the student will be able to:

1. Assumes the role as a caring competent entry-level emergency health care provider.
2. Utilizes critical thinking strategies and decision-making strategies in role performance.
3. Demonstrates responsibility for self-direction in lifelong learning.
4. Provides care in a responsible, accountable manner within ethico-legal dimensions.
5. Demonstrates concern for the healthcare needs of society by participating in community and professional activities and organizations.
6. Demonstrates the ability to develop and participate in illness and injury prevention programs for the community.

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Apply to Conemaugh Memorial Medical Center and be accepted into the hospital based paramedic diploma program.
- Satisfactorily pass the comprehensive final exam in the hospital based paramedic certificate program at Conemaugh Memorial Medical Center.
- Satisfactorily pass the National Registry EMT-P Exam and receive Pennsylvania certification as a paramedic.
- Satisfactorily complete all degree requirements including college courses and all hospital based courses.

General Education Requirements

- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- LIF 111 - Health and Wellness
- MAT 131 - Intermediate Algebra
- ACE 200 - ACCESS Portfolio
- Elective - Social Science
- BIO 202 - Human Anatomy and Physiology I

- BIO 212 - Human Anatomy and Physiology Lab I

Social Science Electives

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**

Credit hours: 24

Major Requirements

- BIO 204 - Human Anatomy and Physiology II
- BIO 214 - Human Anatomy and Physiology Lab II
- Elective - Social Science
- Conemaugh specialized classroom and clinical experience technical block (30 credits)

Credit hours: 37

Typical Sequence of Courses

Semester I

Conemaugh specialized classroom and clinical experience*

Total Credits (NA)

Semester II

Conemaugh specialized classroom and clinical experience*

Total Credits (NA)

Semester III

- CIT 100 - Microcomputer Applications
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
Elective - Social Science
- BIO 202 - Human Anatomy and Physiology I
- BIO 212 - Human Anatomy and Physiology Lab I

Total Credits (14)

Semester IV

- ACE 200 - ACCESS Portfolio
- COM 101 - Public Speaking
- LIF 111 - Health and Wellness
- MAT 131 - Intermediate Algebra
- BIO 204 - Human Anatomy and Physiology II
- BIO 214 - Human Anatomy and Physiology Lab II
Elective - Social Science

Total Credits (17)

Minimum credits to earn A.A.S. degree: 61

**Upon successful completion of all specialized classroom and clinical experience administered and offered only by Conemaugh School of Emergency Medical Services, the College awards a technical block of 30 credits.*

Health Professions - Radiologic Technology (A.A.S.)

A.A.S. Degree

Program Description

The Associate of Applied Science Degree in Health Professions - Radiologic Technology is a comprehensive approach to preparing students to acquire expertise in the field of radiography. The responsibilities of the radiologic technologist include performing diagnostic radiographic procedures, such as a chest X-ray or an X-ray of a broken bone, as well as procedures which requires the use of contrast agents to visualize organs in the body. The technologist is also responsible for assisting the radiologist during fluoroscopic and special procedures, processing the radiographic image and positioning the patient while ensuring that the patient's mental and physical comfort is maintained.

The program is offered in partnership with the hospital based radiologic technologist diploma program at Conemaugh Memorial Medical Center. The College provides classroom instruction and the hospital based program provides specialized classroom and clinical experience.

Career Opportunities

Upon successful completion of all program requirements, the graduate has the option of registering and completing the American Registry of Radiologic Technologists (ARRT) exam at a participating center. The College does not guarantee results of this registry exam. There is also opportunity for professional growth and advancement in specialty areas such as ultrasound, nuclear medicine, radiation therapy, computerized automated tomography (CT), special procedures, and magnetic resonance imaging (MRI).

- Registered staff technologist in a hospital, clinic or doctor's office
- Registered staff technologist in industry
- Registered staff technologist in the military
- Management
- Research
- Education
- Sales

The median salary for a radiological technologist in the United States is \$58,279 (Salaries.com, 2010).

Program Objectives

Upon completion of the program, the student will be able to:

1. Possess the didactic knowledge and clinical skills needed to achieve a diagnostic radiograph.
2. Evaluate radiographic images for positioning/technical quality.
3. Maintain radiation protection for patients as well as for radiology personnel and other members of the healthcare team.
4. Exhibit an empathetic approach in providing quality patient care.

5. Possess a professional attitude expected of all healthcare providers.
6. Incorporate ethico-legal guidelines in meeting the health needs of patient, family and community.
7. Demonstrate accomplishment of the terminal competencies and assumes an entry level position as a Radiologic Technologist.

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Satisfactorily complete prerequisite courses in BIO 202/212 Human Anatomy and Physiology I and BIO 204/214 Human Anatomy and Physiology II.
- Apply to Conemaugh Memorial Medical Center and be accepted into the hospital based radiological technology diploma program.
- Satisfactorily pass the comprehensive final exam in the hospital based radiological technology diploma program at Conemaugh Memorial Medical Center.
- Satisfactorily complete all degree requirements including college courses and all hospital based courses.

General Education Requirements

- CIT 100 - Microcomputer Applications
- COM 120 - Organizational Communications
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- LIF 111 - Health and Wellness
- MAT 131 - Intermediate Algebra
- PSY 100 - General Psychology**
- ACE 200 - ACCESS Portfolio
- PHY 110 - Physics (Algebra-based) I
- PHY 111 - Physics (Algebra-based) I Lab

Credit Hours: 24

Major Requirements

- PSY 130 - Human Development Across the Lifespan
- ENG 220 - Business Letter and Report Writing
Conemaugh specialized classroom and clinical experience technical block (32 credits)

Credit Hours: 38

Typical Sequence of Courses

Semester I

- CIT 100 - Microcomputer Applications
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
Conemaugh specialized classroom and clinical experience*

Total credits (7)

Semester II

- MAT 131 - Intermediate Algebra
- PSY 130 - Human Development Across the Lifespan
Conemaugh specialized classroom and clinical experience*

Total credits (6)

Semester III

- PSY 100 - General Psychology**
- PHY 110 - Physics (Algebra-based) I
- PHY 111 - Physics (Algebra-based) I Lab
Conemaugh specialized classroom and clinical experience*

Total credits (7)

Semester IV

- ENG 220 - Business Letter and Report Writing
- LIF 111 - Health and Wellness

Conemaugh specialized classroom and clinical experience*

Total credits (6)

Semester V

- COM 120 - Organizational Communications
- ACE 200 - ACCESS Portfolio
- Conemaugh specialized classroom and clinical experience*

Total credits (4)

Minimum credits to earn A.A.S. degree: 62

*Upon successful completion of all specialized classroom and clinical experience administered and offered only by Conemaugh School of Radiologic Technology, the College awards a technical block of 32 credits.

Total Pennsylvania Highlands Community College Credits (30)

Conemaugh School of Radiologic Technology Technical Block Credits (32)

Healthcare Information Specialist (A.A.S.)

A.A.S. Degree

Program Description

The Associate of Applied Science in Healthcare Information Specialist prepares graduates for the growing healthcare information field. Due to a shift toward electronic medical records and an aging population, the Pennsylvania Department of Labor anticipates the need for 9,150 trained medical records and health information technicians by 2016.

A medical records analyst would compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the health care system. A medical records analyst would also process, maintain, compile, and report patient information for health requirements and standards in a manner consistent with the healthcare industry's numerical coding system.

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Career Opportunities

Possible job titles include:

- Medical Records Clerk
- Health Information Clerk
- Medical Records Technician
- File Clerk
- Medical Records Analyst
- Abstractor

Program Objectives

Upon completion of the program, the student will be able to:

1. Protect the security of medical records to ensure that confidentiality is maintained.
2. Review records for completeness, accuracy, and compliance with regulations.
3. Retrieve patient medical records for physicians, technicians, or other medical personnel.
4. Release information to persons or agencies according to regulations.
5. Plan, develop, maintain, or operate a variety of health record indexes or storage and retrieval systems to collect, classify, store, or analyze information.
6. Enter data, such as demographic characteristics, history and extent of disease, diagnostic procedures, or treatment into computer.
7. Compile and maintain patients' medical records to document condition and treatment and to provide data for research or cost control and care improvement efforts.
8. Process and prepare business or government forms.
9. Process patient admission or discharge documents.
10. Assign the patient to diagnosis-related groups (DRGs), using appropriate computer software.

Obtaining The Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

General Education Requirements

- ACE 200 - ACCESS Portfolio
- FYE 100 - First Year Experience
- CIT 100 - Microcomputer Applications
- ENG 110 - English Composition I**
- LIF 111 - Health and Wellness
- MAT 110 - Business Mathematics
- COM 101 - Public Speaking
- Elective - Science
- Elective - Social Science

Credit hours: 23

Major Requirements

- HSC 100 - Medical Terminology
- HSC 120 - Health Information Management and Medical Office
- HSC 130 - Basic Anatomy and Physiology
- HSC 160 - Law and Ethics for Health Occupations
- HSC 205 - Medical Coding ICD-10
- HSC 210 - Medical Coding CPT
- HSC 211 - Advanced Medical Coding
- HSC 275 - Healthcare Administrations/Organizations
- HSC 280 - Financial Management in Health Care
- CIT 110 - Theory of Computing
- CIT 201 - Database Management for Healthcare
- HSC 281 - Hospital Practicum for Healthcare Technology
- HSC 282 - Office Practicum for Healthcare Technology

Credit hours: 39

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- CIT 100 - Microcomputer Applications
- CIT 110 - Theory of Computing
- ENG 110 - English Composition I**
- HSC 100 - Medical Terminology
- HSC 130 - Basic Anatomy and Physiology

Total Credits (16)

Semester II

- HSC 160 - Law and Ethics for Health Occupations
- HSC 205 - Medical Coding ICD-10
- HSC 275 - Healthcare Administrations/Organizations
- LIF 111 - Health and Wellness
- Elective - Social Science

Total Credits (15)

Semester III

- CIT 201 - Database Management for Healthcare
- HSC 120 - Health Information Management and Medical Office
- HSC 210 - Medical Coding CPT
- HSC 280 - Financial Management in Health Care
- HSC 281 - Hospital Practicum for Healthcare Technology

Total Credits (14)

Semester IV

- ACE 200 - ACCESS Portfolio
- COM 101 - Public Speaking
- HSC 211 - Advanced Medical Coding
- HSC 282 - Office Practicum for Healthcare Technology
- MAT 110 - Business Mathematics
- Elective - Science

Total Credits (15/16)

Minimum credits to earn A.A.S. degree: 60

Human Services - Generalist (A.A.S)

A.A.S. Degree

Program Description

The Associate of Applied Science degree in Human Services-Generalist builds upon skills to provide care and services for the whole individual within the framework of his or her relationship to his or her environment. The program develops knowledge of human behavior, the social environment, and community resources while providing an understanding of the complex network of human services available in a community. The curriculum is designed for entry into the job market and for transfer to baccalaureate degree programs in social/behavioral science and counseling programs.

This program requires the student to submit approved Act 34 Child Abuse Clearance and Act 151 Pennsylvania State Police Clearance prior to the start of a course that contains a lab or service learning requirements. The clearances must be valid through the end of the semester in which the student is enrolled in the course.

Career Opportunities

Human Services is one of the fastest growing occupational fields. The Human Services-Generalist degree provides training for paraprofessional employment in a variety of organizations including social agencies, community action programs, long-term care and personal care facilities, senior citizen centers and adult care facilities. Example careers include:

- Social and Human Service Case Assistants
- Group Home Worker
- Behavioral Management Aide
- Psychological Aide
- Client Advocate
- Life Skills Instructor
- Crisis Worker
- Group Home Operator

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate an understanding of the fundamental ethical and legal guidelines governing the field of Human Services
2. Express the basic elements of effectively employing interpersonal communications, team skills, and quality principles in the workplace
3. Apply knowledge of community resources to support client needs; use technology and information resources effectively; demonstrate skills and knowledge to identify and resolve problems/issues effectively in a target population, including program analyses
4. Develop communication and critical thinking skills including reading, writing, problem solving, evaluating and organizing
5. Appropriately apply psychosocial principles to diverse client situations; use research and evaluation techniques to make decisions about behaviors and programs

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate in the program;

- Satisfactorily complete all degree requirements.

Service Learning Component

Human Service-Generalist students make a commitment to working in the community. A majority of this program's required courses have a 35-hour service learning component that places the student in a desired community setting. The object of the service learning experience is to learn to apply principles and concepts in the student's field of choice. Students are required to complete 250 hours of service learning, of which 150 hours is completed through an internship. Students must present approved current Act 34 and Act 151 clearances in order to complete the lab work required for each applicable course and the internship requirement. All students completing internship, field experience, or service learning hours in a public or private school setting are also required to provide the College with a copy of their Act 114 Federal Criminal History Record. Students are advised to register for this clearance prior to the beginning of their second semester. An official copy should be presented to the Office of the Registrar. Information regarding registration and fingerprinting locations may be found at www.pa.cogentid.com. Registration is also available by telephone at 1-888-439-2486.

General Education Requirements

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- MAT 110 - Business Mathematics or
- MAT 145 - College Algebra
- COM 101 - Public Speaking
- Elective - Social Sciences/Humanities
- Elective - Science
- LIF 111 - Health and Wellness
- ACE 200 - ACCESS Portfolio
- CIT 100 - Microcomputer Applications

Credit hours: 24

Social Science Electives

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture

- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- SOC 205 - Race, Class, and Gender in Society

Humanities Electives

- ART 101 - Introduction to Art History**
- ART 105 - Drawing Fundamentals
- ART 110 - Introduction to Painting and Sculpting**
- ASL 101 - American Sign Language I
- ASL 102 - American Sign Language II
- FLM 110 - Introduction to American Cinema
- FRE 101 - French I
- FRE 102 - French II
- GER 101 - Elementary German I
- GER 102 - Elementary German II
- HUM 100 - Introduction to Humanities
- HUM 101 - Foundations of Literature and the Arts in Western Culture
- MUS 100 - Introduction to Music
- MUS 200 - Popular American Music in the Twentieth Century
- PHI 100 - Critical Thinking
- PHI 110 - Introduction to Philosophy**
- PHI 200 - Introduction to Ethics
- PHI 205 - Death and Dying
- PHI 225 - Business Ethics
- PHI 235 - Philosophy of Religion
- PHI 240 - Bioethics
- PHI 245 - Symbolic Logic
- REL 100 - World Religions/Religious Studies
- REL 200 - Understanding the Bible
- REL 235 - Philosophy of Religion
- SPA 101 - Spanish I
- SPA 102 - Spanish II
- SPA 203 - Spanish III
- THR 120 - Acting I
- THR 200 - Directing I

Science Electives

- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab
- CHM 106 - Introductory Chemistry

- CHM 120 - General Chemistry I
- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab
- PHY 110 - Physics (Algebra-based) I
- PHY 111 - Physics (Algebra-based) I Lab

Major Requirements

- HUS 100 - Introduction to Human Services
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**
- SOC 200 - Contemporary Social Issues
- HUS 200 - Interviewing and Case Management
- HUS 202 - Introduction to Research
- HUS 295 - Human Services -- Generalist Internship
- HUS 210 - Community Intervention and Social Policy
- PSY 130 - Human Development Across the Lifespan
- PSY 200 - Abnormal Psychology

Credit hours: 30

Major Electives

Choose 6 credits from:

- AST 100 - Introduction to Astronomy
 - COM 110 - Interpersonal Communication
 - HSC 100 - Medical Terminology
 - SOC 205 - Race, Class, and Gender in Society
 - SOC 250 - Introduction to Social Work
 - PSY 210 - Psychology of Aging
 - PSY 220 - Introduction to Counseling
 - PSY 230 - Human Exceptionality
- Any English Course (ENG) in addition to ENG 110
 Any Computer Science/Technology course (CIT/CSC) in addition to CIT 100
 Any Criminal Justice Course (CRJ)
 Any Math Course (MAT) in addition to MAT requirement for major
 Any additional Social Science/Humanities elective

Typical Schedule of Courses:

Students are encouraged to take the courses in their suggested sequence. Students are also encouraged to meet with their Faculty Advisor to determine the pre-requisites and co-requisites prior to registering for elective courses.

Semester I

- FYE 100 - First Year Experience
- CIT 100 - Microcomputer Applications
- ENG 110 - English Composition I**
- SOC 100 - Introduction to Sociology**
- HUS 100 - Introduction to Human Services
- MAT 110 - Business Mathematics or
- MAT 145 - College Algebra

Total Credits (16)

Semester II

- PSY 100 - General Psychology**
- COM 101 - Public Speaking
- PSY 130 - Human Development Across the Lifespan
- SOC 200 - Contemporary Social Issues
- Elective - Social Science/Humanities

Total Credits (15)

Semester III

- LIF 111 - Health and Wellness
- HUS 200 - Interviewing and Case Management
- HUS 202 - Introduction to Research
- PSY 200 - Abnormal Psychology
- Elective - Major

Total Credits (15)

Semester IV

- HUS 210 - Community Intervention and Social Policy
- ACE 200 - ACCESS Portfolio
- HUS 295 - Human Services -- Generalist Internship
Elective - Science
Elective - Major

Total Credits (14)

Minimum credits to earn the A.A.S. Degree: 60

Media Production (A.A.S.)

A.A.S. Degree

Program Description

The Associate of Applied Science in Media Production provides students with a unique blend of three major communication fields: television production, radio production and e-based technologies. This program utilizes a 'hands-on' approach whenever feasible, to provide the student with a comprehensive foundation of the theory and skills vital in the broadcast and print medium, as well as the private and corporate communications fields.

An emphasis is placed on the writing and performance skills required by the student in the areas of broadcast journalism, documentary production, commercial and dramatic production, and video/multi-media/Internet presentation for business and industry as well as the technical skills required in these endeavors.

Upon completion, students will have a firm knowledge of the written, oral and technical skills required in commercial radio, television, independent video production, along with the multi-media/Internet techniques used in varied production areas.

Career Opportunities

Television and radio are a strong force that generate and supports instant communication to the public which the public has come to expect and demand. On-air and on-screen personalities have command respect and admiration today and the need for those personalities and the technicians who provide the venue for them to broadcast is continuously growing. Radio and television are here to stay as a viable means of communication. A Media Production graduate will have the background and knowledge necessary to succeed in this very exciting and evolving field as a (an):

- on-air personality
- radio news reporter
- radio and television program writer/producer
- television operations engineer
- audio engineer
- director/videographer
- various studio positions

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major requirements.

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate computer literacy and basic knowledge of computer technologies.
2. Analyze media's impact on the public.
3. Demonstrate strong communication and critical thinking skills including reading, writing, organizing, evaluating, problem solving, and presentation skills.
4. Work in a professional and ethical manner respecting legal, social, and cultural responsibilities of the field
5. Operate audio, video or film equipment
6. Use team participation and cooperative business skills for working effectively with other people in the workplace.
7. Produce audio, video, film or multimedia projects.
8. Direct or perform as voice or acting talent.
9. Use mathematical and logical skills related to the workplace.
10. Demonstrate a sense of professional and personal integrity, self-esteem, and willingness to receive and to give constructive praise and criticism.

General Education Requirements

- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- LIF 111 - Health and Wellness
- MAT 110 - Business Mathematics
- SOC 100 - Introduction to Sociology**
- ACE 200 - ACCESS Portfolio
- Elective - Science (any 3 or 4 credit biology, chemistry, or physics course)

Credit Hours: 23/24

Major Requirements

- BUS 230 - Principles of Marketing
- COM 200 - Media and Society
- ENG 205 - Research Writing
- MPR 100 - Introduction to Production
- MPR 130 - Radio Production
- MPR 150 - Television Production
- MPR 200 - Scripting for Radio, Television, and e-Media

- MPR 230 - Basic News Writing
- MPR 250 - Video Production
- MPR 270 - New Media Production
- MPR 290 - Media Literacy
- MPR 299 - Media Production Practicum
- SOC 200 - Contemporary Social Issues

Credit Hours: 39

Typical Sequence of Courses

Semester I

- CIT 100 - Microcomputer Applications
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- MPR 100 - Introduction to Production
- MPR 130 - Radio Production
- SOC 100 - Introduction to Sociology**

Total Credits (16)

Semester II

- COM 101 - Public Speaking
- COM 200 - Media and Society
- ENG 205 - Research Writing
- MPR 150 - Television Production
- MPR 230 - Basic News Writing

Total Credits (15)

Semester III

- MAT 110 - Business Mathematics
- MPR 200 - Scripting for Radio, Television, and e-Media
- MPR 250 - Video Production
- MPR 290 - Media Literacy
- Elective - Science

Total Credits (15/16)

Semester IV

- ACE 200 - ACCESS Portfolio
- BUS 230 - Principles of Marketing
- SOC 200 - Contemporary Social Issues
- MPR 270 - New Media Production
- MPR 299 - Media Production Practicum
- LIF 111 - Health and Wellness

Total Credits (16)

Minimum credits to earn the A.A.S. degree: 62

Medical Assisting Technology (A.A.S)

A.A.S. Degree

Program Description

The Associate of Applied Science Degree in Medical Assisting Technology is a comprehensive approach to preparing students to work in the complex environment of physician offices, hospital business services, and other health care related facilities. Graduates of the program have the necessary skills for managing a medical office and the clinical skills for patient care. The program covers administrative skills, both ICD and CPT coding, medical billing, insurance coding procedures, and provider regulatory issues. Clinical skills include everything within the role of a medical assistant from patient history, vital signs and documentation to diagnostic testing, phlebotomy and patient education. Included are basic human anatomy and physiology, disease and pharmacology concepts. There is a planned practicum that prepares the student for transition to the professional field. Managed Care and ethico-legal aspects of health care are integrated throughout the program along with microcomputer applications. Students that satisfactorily complete the program are eligible to apply for and take the National Center for Competency Testing (NCCT) National Certified Medical Assistant (NCMA) exam.

Students will be required to purchase and wear the school uniform to all clinical labs and off campus learning experiences.

This program requires the student to submit approved Act 34 Child Abuse Clearance and a Pennsylvania State Police Criminal Background Check prior to the start of a course that contains a lab or service learning requirements. The clearances must be valid through the end of the semester in which the student is enrolled in the program.

Career Opportunities

- Medical Assistant
- Medical Office Manager
- Health Claims Analyst
- Medical Office Receptionist
- Billing Coordinator
- Health Information Management Processor
- Insurance Claims Reviewer

Program Objectives

Upon completion of the program, the student will be able to:

1. Perform administrative duties in a variety of healthcare settings.
2. Perform clinical duties in a variety of healthcare settings.
3. Demonstrate entry level skill in applying concepts of coding, insurance billing, finance and office procedures.
4. Demonstrate computer literacy and basic knowledge of software applications.
5. Develop interpersonal and team participation skills in a variety of settings.
6. Implement critical thinking and problem-solving skills.
7. Utilize teaching-learning techniques to identify, implement, and evaluate health education needs of patients.
8. Apply legal guidelines and ethical standards in everyday practice

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

General Education Requirements

- FYE 100 - First Year Experience
- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking or
- COM 110 - Interpersonal Communication or
- COM 120 - Organizational Communications
- ENG 110 - English Composition I**
- LIF 111 - Health and Wellness
- MAT 110 - Business Mathematics
- ACE 200 - ACCESS Portfolio

- BIO 102 - Life Science
Elective - Social Science

Social Science Electives:*

- ANT 100 - Introduction to Cultural Anthropology**
- ECO 100 - Macroeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**

Credit hours: 23

Major Requirements**

***Students must earn a C or higher in all HSC courses for this major.*

- HSC 100 - Medical Terminology
- HSC 121 - Medical Assisting Administrative I
- HSC 130 - Basic Anatomy and Physiology
- HSC 140 - Basic Disease Process and Pharmacology
- HSC 150 - Medical Assisting Clinical I
- HSC 160 - Law and Ethics for Health Occupations or
- PHI 240 - Bioethics
- HSC 205 - Medical Coding ICD-10
- HSC 210 - Medical Coding CPT
- HSC 221 - Medical Assisting Administrative II
- HSC 250 - Medical Assisting Clinical II
- HSC 280 - Financial Management in Health Care
- HSC 292 - Medical Assisting Professional Seminar
- HSC 293 - Medical Assisting Technology Practicum

Credit hours: 38

Typical Sequence of Courses

Semester I

- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- HSC 100 - Medical Terminology
- HSC 121 - Medical Assisting Administrative I
- HSC 130 - Basic Anatomy and Physiology
- CIT 100 - Microcomputer Applications

Total Credits (16)

Semester II

- HSC 140 - Basic Disease Process and Pharmacology
- HSC 150 - Medical Assisting Clinical I
- HSC 160 - Law and Ethics for Health Occupations or
- PHI 240 - Bioethics
- HSC 205 - Medical Coding ICD-10
- LIF 111 - Health and Wellness

Total Credits (15)

Summer Session

Elective - Social Science

Total Credits (3)

Semester III

- ACE 200 - ACCESS Portfolio
- HSC 210 - Medical Coding CPT
- HSC 221 - Medical Assisting Administrative II
- HSC 250 - Medical Assisting Clinical II
- HSC 280 - Financial Management in Health Care

Total Credits (13)

Semester IV

- BIO 102 - Life Science
- COM 101 - Public Speaking
- HSC 292 - Medical Assisting Professional Seminar
- HSC 293 - Medical Assisting Technology Practicum
- MAT 110 - Business Mathematics

Total Credits (14)

Minimum credits to earn A.A.S. degree: 61

Pre-Engineering (A.S.)

A.S. Degree

Program Description

The Associate of Science degree in Pre-Engineering is designed to provide the foundation necessary for optimal transfer to four-year degree programs. The courses in this major were selected for optimal transfer opportunity. However, as bachelor degree requirements vary, students are encouraged to consult with their preferred transfer institution concerning course selection.

Career Opportunities

Graduates of this program will be prepared for transfer to a four-year institution.

Program Objectives

Upon completion of the program, the student will be able to:

1. Think critically.
2. Use scientific and quantitative reasoning.
3. Apply information literacy.
4. Demonstrate effective written and verbal communication skills.
5. Demonstrate awareness of diversity.
6. Demonstrate technical expertise.

Obtaining The Degree

To earn the Associate of Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

General Education Requirements

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- CHM 120 - General Chemistry I
- CHM 122 - General Chemistry II
- CIT 166 - Programming with Visual Basic
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- ENG 200 - English Composition II/Studies in Literature**
- MAT 210 - Calculus I
- Elective - Social Science
- Elective - Social Science
- Elective - Humanities
- Elective - Humanities

Social Science Electives

Choose two.

- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- GEO 100 - Introduction to Geography
- GOV 100 - Introduction to American National Government**
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- SOC 100 - Introduction to Sociology**

Humanities Electives

Choose two.

- ART 101 - Introduction to Art History**
- MUS 100 - Introduction to Music
- PHI 110 - Introduction to Philosophy**

Credit Hours: 23

Major Requirements

- ENG 225 - Technical Writing
- MAT 220 - Calculus II
- MAT 230 - Calculus III
- MAT 240 - Differential Equations
- PHY 120 - Physics (Calculus-based) I
- PHY 121 - Physics (Calculus-based) I Laboratory
- PHY 130 - Physics (Calculus-based) II
- PHY 131 - Physics (Calculus-based) II Laboratory

Credit Hours: 38

Typical Sequence of Courses

Semester I

- CHM 120 - General Chemistry I
- CIT 166 - Programming with Visual Basic
- ENG 110 - English Composition I**
- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- MAT 210 - Calculus I

Total Credits (16)

Semester II

- CHM 122 - General Chemistry II
- ENG 200 - English Composition II/Studies in Literature**
- MAT 220 - Calculus II
Elective - Social Science
Elective - Humanities

Total Credits (17)

Semester III

- COM 101 - Public Speaking
- PHY 120 - Physics (Calculus-based) I
- PHY 121 - Physics (Calculus-based) I Laboratory
- MAT 230 - Calculus III
Elective - Humanities

Total Credits (14)

Semester IV

- ENG 225 - Technical Writing
- PHY 130 - Physics (Calculus-based) II
- PHY 131 - Physics (Calculus-based) II Laboratory
- MAT 240 - Differential Equations
Elective - Social Science

Total Credits (14)

Minimum credits to earn A.S. degree: 61

Pre-Health Professions (A.S.)

A.S. Degree

Program Description

The Associate of Science (A.S.) degree in Pre-Health Care Professions is designed to provide the foundation necessary for transfer to a four year degree program in a pre-health care field, accredited health diploma or certificate program. This program is designed to prepare students for admission to their choice in of health related fields. In this program, Biology, Chemistry and Mathematics will provide students with a solid background toward their chosen health career program,

Obtaining the Degree

To earn the Associate of Science degree, students must:

- Matriculate into the program.
- Admission to the program is restricted to students who are fully prepared for the level of work required. Entering students will be tested for English, math, and reading deficiencies.
- Students are expected to remediate deficiencies prior to matriculation.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

Program Objectives

Upon completion of the program, the student will be able to:

1. Transfer to a four- year college or university for further study in a health care program.
2. Show a comprehensive understanding of anatomical and physiological aspects of the human body.
3. Gain a fundamental understanding of the scientific method.
4. Have a solid knowledge of a broad range of mathematical principles and techniques and abilities to apply them.
5. Introduce the mental processes and behavior associated with human psychology
6. Learn to analyze and critically evaluate situation based problems.

Career Opportunities

Graduates of this program will be prepared for transfer to a four- year college or university.

General Education Requirements

- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- ENG 205 - Research Writing
- FYE 100 - First Year Experience

- TRN 115 - Introduction to Transfer
- PSY 100 - General Psychology**
Elective - Science

Credit hours: 24/25

Major Requirements

- BIO 202 - Human Anatomy and Physiology I
- BIO 204 - Human Anatomy and Physiology II
- BIO 212 - Human Anatomy and Physiology Lab I
- BIO 214 - Human Anatomy and Physiology Lab II
- HSC 100 - Medical Terminology
Elective - Science or Math
Elective - Science or Math
Elective - Math
Elective - Social Science or Humanities
Elective - Social Science
Elective - Open
Elective - Open
Elective - Open

Credit hours: 37/40

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications
- MAT 145 - College Algebra
Elective - Science

Total Credits (14/15)

Semester II

- BIO 202 - Human Anatomy and Physiology I
- BIO 212 - Human Anatomy and Physiology Lab I
- HSC 100 - Medical Terminology
- PSY 100 - General Psychology**
Elective - Math
Elective - Open

Total Credits (16/18)

Semester III

- BIO 204 - Human Anatomy and Physiology II
- BIO 214 - Human Anatomy and Physiology Lab II
- COM 101 - Public Speaking
- TRN 115 - Introduction to Transfer
Elective - Science or Math
Elective - Social Sciences/Humanities

Total Credits (15)

Semester IV

- ENG 205 - Research Writing
Elective - Social Science
Elective - Science or Math
Elective - Open
Elective - Open

Total Credits (16/17)

Minimum credits to earn A.S. degree: 61

Professional Pilot (A.S.)

A.S. Degree

Program Description

The Associate of Science Degree in Professional Pilot prepares the aspiring career Pilot for transfer to a four-year collegiate aviation program or for immediate entry level employment in the aviation industry. Coursework within the program teaches commercial level aerodynamics, aircraft systems, federal aviation regulations, aircraft performance, aeronautical decision making/human factors, flight physiology, and navigation. The curriculum also places an emphasis on educational psychology and flight instruction theory for graduate marketability. Graduates of the program may have the opportunity to apply teaching skills, through MTT Aviation, with beginning private level students. They may also be able to work as a certified flight instructor upon graduation. Students may build flight time and choose to become an airline pilot or corporate pilot.

Note: Prior to beginning aviation coursework, students are required to provide proof of at least a second-class FAA medical certificate; read, speak, write, and understand the English language, and provide a U.S. Birth Certificate or Passport to show United States Citizenship. Students who are not U.S. Citizens must successfully complete TSA screening.

Career Opportunities

Students in this program are prepared for entry-level positions as:

- Charter Pilot
- Corporate Pilot
- Airline First Officer
- Flight Instructor

Program Objectives

Upon completion of the program, the student will be able to:

1. Make safe and competent decisions regarding flight at the Commercial Pilot level.
2. Understand the role of the Commercial Pilot within an airline or corporate flight department.
3. Understand the basic theories of aerodynamics and apply them to the various flight scenarios encountered in the field.
4. Understand and apply aircraft systems knowledge to the various equipment that a Commercial Pilot may manage.
5. Apply Human Factors, Crew Resource Management, Flight Physiology, and Aeronautical Decision Making concepts to the flight deck environment.
6. Recognize potentially hazardous atmospheric conditions and assess risk of flight in various weather scenarios.
7. Understand and navigate the U.S. National Airspace system safely through use of all available resources.
8. Understand and apply the fundamentals of instructing. Perform practice flight instruction sessions with beginning students.
9. Display professionalism, good demeanor, and attitude within the role of the Flight Instructor.
10. Understand the role and responsibilities of a Flight Instructor.
11. Apply strong communication, organization, and interpersonal skills for success within the airline, corporate, or post-secondary education environment.

Obtaining The Degree

To earn the Associate of Science degree, students must:

- Meet aviation course pre-requisites for FAA medical certification, English language use, U.S. citizenship, or TSA screening.

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

General Education Requirements

- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- ENG 200 - English Composition II/Studies in Literature**
- FYE 100 - First Year Experience
- HUM 100 - Introduction to Humanities
- TRN 115 - Introduction to Transfer
- MAT 145 - College Algebra
- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab
- PSY 100 - General Psychology**
- PSY 155 - Psychology of Thinking and Learning
- Elective - Science with or without Lab

Science Electives (pick one)

- AST 100 - Introduction to Astronomy
- BIO 102 - Life Science
- BIO 104 - Principles of Biology I Lecture and
- BIO 114 - Principles of Biology I Lab
- BIO 106 - Principles of Biology II Lecture
- BIO 116 - Principles of Biology II Lab
- CHM 120 - General Chemistry I
- CHM 122 - General Chemistry II
- GLG 100 - Introduction to Geology
- PHY 110 - Physics (Algebra-based) I
- PHY 111 - Physics (Algebra-based) I Lab
- PHY 115 - Physics (Algebra-based) II
- PHY 116 - Physics (Algebra-based) II Lab

Credit hours: 33-34

Major Requirements

- AVI 110 - Private Pilot Theory
- AVI 111 - Private Pilot Lab
- AVI 120 - Instrument Pilot Theory
- AVI 121 - Instrument Pilot Flight
- AVI 210 - Commercial Pilot Theory
- AVI 211 - Commercial Pilot Flight I
- AVI 212 - Commercial Pilot Flight II
- AVI 220 - Certified Flight Instructor Theory
- AVI 221 - Certified Flight Instructor Flight

Credit hours: 28

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications
- MAT 145 - College Algebra
- AVI 110 - Private Pilot Theory
- AVI 111 - Private Pilot Lab

Credit Hours (16)

Semester II

- TRN 115 - Introduction to Transfer
- ENG 200 - English Composition II/Studies in Literature**
- PSY 155 - Psychology of Thinking and Learning
- AVI 120 - Instrument Pilot Theory
- AVI 121 - Instrument Pilot Flight

Credit Hours (13)

Semester III

- PSY 100 - General Psychology**
- AVI 210 - Commercial Pilot Theory
- AVI 211 - Commercial Pilot Flight I
Elective - Science

Credit Hours (13/14)

Semester IV

- AVI 212 - Commercial Pilot Flight II
- HUM 100 - Introduction to Humanities
- COM 101 - Public Speaking
- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab

Credit Hours (13)

Semester V

- AVI 220 - Certified Flight Instructor Theory
- AVI 221 - Certified Flight Instructor Flight

Credit Hours (7)

Minimum credits to earn the A.S. degree: 61

Psychology (A.A.)

A.A. Degree

Program Description

Psychology is the science of mental processes and behavior. Within the program, students will learn fundamental principles of psychology, theories of development, learning, cognition, behavior, and more. This program is designed for those who plan to transfer to a four-year institution for a bachelor's degree in psychology or a related field.

Students with advanced degrees in psychology can become Clinical psychologists who provide Psychotherapy and provide psychological testing; Counseling psychologists helping people with everyday issues and may provide career counseling and vocational testing; Academic Psychologists may teach classes and conduct research; Applied Psychologists solve problems in practical areas like developmental, human factors, industrial/organizational, personality, social, sport, and school.

The Psychology program offers maximum transferability. The 30-credit general education core offers courses that transfer to Pennsylvania State System of Higher Education (PASSHE) universities and other local colleges and universities. Students completing the Psychology AA will be able to transfer the equivalent of the first two years of a bachelor's degree to any one of the fourteen four-year universities in the Pennsylvania State System of Higher Education and complete the remainder of their degree program in just two more years of full-time study.

You can read more about this opportunity and view the agreement at:

<https://patrac.org/Administrators/StatewideProgramtoProgramProcess/tabid/1967/Default.aspx>

Program Objectives

Upon completion of the program, the student will be able to:

1. Effectively design a plan for successful transfer into to their chosen 4 year major and will be able to make an informed decision in order to choose a proper career path
2. Demonstrate a basic knowledge of the theories in psychology
3. Demonstrate a basic knowledge of psychological research geared towards being an informed consumer of social science research
4. Use critical thinking skills to make supportable arguments
5. Apply psychological principles to personal, social, and organizational issues
6. Recognize basic ethical issues in psychological research settings and applied psychological settings
7. Demonstrate professional communication skills through written, oral and electronic methods

Obtaining the Degree

To earn the Associate of Arts Degree, the student must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements.

General Education Requirements

- BIO 104 - Principles of Biology I Lecture

- BIO 106 - Principles of Biology II Lecture
 - BIO 114 - Principles of Biology I Lab
 - BIO 116 - Principles of Biology II Lab
 - CIT 100 - Microcomputer Applications
 - COM 101 - Public Speaking
 - ENG 110 - English Composition I**
 - ENG 200 - English Composition II/Studies in Literature**
 - FYE 100 - First Year Experience
 - TRN 115 - Introduction to Transfer
 - MAT 145 - College Algebra
 - PHI 200 - Introduction to Ethics
 - SOC 100 - Introduction to Sociology**
- Elective - Humanities (ART 101 - Introduction to Art History; PHI 110 - Introduction to Philosophy; or MUS 100 - Introduction to Music)

Credit Hours: 34

Major Requirements

- HUS 202 - Introduction to Research
 - MAT 200 - Probability and Statistics
 - PSY 100 - General Psychology**
 - PSY 130 - Human Development Across the Lifespan
 - PSY 200 - Abnormal Psychology
 - PSY 210 - Psychology of Aging
 - PSY 220 - Introduction to Counseling
 - SOC 200 - Contemporary Social Issues
- Elective (Any PSY, HUS, SOC, ANT or CRJ)

Credit Hours: 27

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer

- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications
- MAT 145 - College Algebra
- PSY 100 - General Psychology**

Total Credits (14)

Semester II

- ENG 200 - English Composition II/Studies in Literature**
- MAT 200 - Probability and Statistics
- PHI 200 - Introduction to Ethics
- PSY 130 - Human Development Across the Lifespan
- Elective - Choose either ART 101, PHI 110, or MUS 100

Total Credits (15)

Semester III

- HUS 202 - Introduction to Research
- PSY 200 - Abnormal Psychology
- PSY 220 - Introduction to Counseling
- SOC 100 - Introduction to Sociology**
- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab

Total Credits (16)

Semester IV

- BIO 106 - Principles of Biology II Lecture
- BIO 116 - Principles of Biology II Lab
- COM 101 - Public Speaking
- PSY 210 - Psychology of Aging
- SOC 200 - Contemporary Social Issues

Elective - Any PSY, HUS, SOC, ANT or CRJ

Total Credits (16)

Minimum credits to earn A.A. degree: 61

Restaurant/Culinary Management (A.A.S)

A.A.S. Degree

Program Description

This program is designed to prepare students for various levels of management positions in the food service industry. In addition to classroom and food laboratory experience, students are required to complete an internship. Students are expected to be well groomed in compliance with standards of sanitation. Uniforms and program tool kit are required for all lab classes. Business attire may be required for some classes. Students will also be required to provide medical proof of good physical health.

Career Opportunities

- General Operations Manager
- Catering Manager
- Restaurant Sales Representative
- Restaurant Manager
- Assistant Restaurant Manager
- Food Service Director
- Assistant Food Service Director
- Food Purchasing Agent
- Party Planner
- Dining Room Manager
- Sales and Marketing Manager
- Training and Development Specialist
- Customer Service Manager

Program Objectives

Upon completion of the program, the student will be able to:

1. Identify the procedures and responsibilities of departmental teams within a foodservice operation,
2. Identify and satisfy diverse customer expectations,
3. Identify, prepare, season and cook according to recipe soups, sauces, salads, meats, fish, poultry, game, vegetables and desserts,
4. Prepare quantity foods with emphasis on food cost controls as part of a production team,

5. Research, evaluate, write and maintain menus; purchase orders; local, regional and international recipes; production schedules and inventories,
6. Research and adhere to sound practices for sanitation and safety,
7. Utilize the high-tech approach to maintain acceptable systems of operation,
8. Research, analyze and apply marketing objectives and strategies to food service operations,
9. Supervise a food service operation team utilizing personal and interpersonal skills

Obtaining the Degree

To earn the Associate of Applied Science Degree in Culinary Arts, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major requirements to obtain a minimum of 65 credits.

General Education Requirements

- FYE 100 - First Year Experience
- BIO 102 - Life Science
- ENG 110 - English Composition I**
- MAT 110 - Business Mathematics
- COM 101 - Public Speaking
- LIF 111 - Health and Wellness
- CIT 100 - Microcomputer Applications
- ACE 200 - ACCESS Portfolio
- Elective - Social Science

Credit Hours: 23

Social Science Electives

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture

- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**

Major Requirements

- CUL 110 - Introduction to Hospitality
- CUL 155 - Foods I
- CUL 156 - Hospitality Technology and Dining Room
- CUL 161 - Foods II
- CUL 165 - Foods III
- CUL 168 - Purchasing and Financial Management
- CUL 170 - Hospitality Marketing Management
- CUL 200 - Managing Hospitality Staff
- CUL 210 - Beverage Management
- CUL 295 - Restaurant/Culinary Management Internship
- Elective - Culinary
- Elective - Culinary

Credit Hours: 37-38

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- MAT 110 - Business Mathematics
- BIO 102 - Life Science
- CUL 110 - Introduction to Hospitality
- CUL 155 - Foods I

Total Credits (14)

Semester II

- CIT 100 - Microcomputer Applications
- CUL 156 - Hospitality Technology and Dining Room
- CUL 161 - Foods II
- ENG 110 - English Composition I**
- LIF 111 - Health and Wellness
- Elective - Social Science

Total Credits (17)

Semester III

- CUL 165 - Foods III
- CUL 168 - Purchasing and Financial Management
- CUL 170 - Hospitality Marketing Management
- CUL 210 - Beverage Management
- Elective - Culinary

Total Credits (13/14)

Semester IV

- ACE 200 - ACCESS Portfolio
- COM 101 - Public Speaking
- CUL 200 - Managing Hospitality Staff
- CUL 295 - Restaurant/Culinary Management Internship
- Elective - Culinary

Total Credits (16)

Minimum credits to earn A.A.S. Degree: 60

Teacher Education Transfer (A.A.)

A.A. Degree

Program Description

The Associate of Arts degree in Teacher Education Transfer is designed specifically to enable the graduate to transfer into a teacher education program in a four-year institution. Students will use this degree as a foundation for further study toward a baccalaureate degree in elementary, secondary, or a specialized teaching field such as special education. Education students must achieve a 3.0 GPA by the time they have earned 48 credits and maintain a 3.0 GPA until graduation.

Program Objectives

Upon completion of the program the student will be able to:

1. Transfer to a four-year college or university offering an education degree.
2. Demonstrate knowledge through critical reading and listening.
3. Employ life-long learning skills.
4. Demonstrate knowledge of aesthetics and develop an appreciation for the creative process in the humanities.
5. Achieve information and technological literacy.
6. Communicate clearly, both orally and in written form.
7. Integrate diverse disciplines.
8. Use sound educational principles to understand the learning and behavior of children and adolescents and apply the principles to classroom practice.
9. Demonstrate skills necessary to operate educational equipment.

Obtaining the Degree

To earn the Associate of Arts Degree, students must:

- Matriculate into the program.
- Satisfactorily complete all course requirements.
- Achieve a 3.0 QPA by their 48th semester hour and maintain it to continue in this program.
- Pass the Praxis I exams in writing, mathematics, and reading;
- Receive clearance through the Pennsylvania State Police Criminal History check, Pennsylvania Department of Public Welfare Child Abuse History check, and the Federal Criminal History Record.
- Provide evidence, by presenting the originals, that the three Praxis I exams and the three background checks have been successfully completed. Copies of these documents will be made by the student's assigned academic advisor for inclusion in one's file.
- Apply for graduation.

Students must complete courses in the General Education and Major courses as well as those across the disciplines of humanities, mathematics, social sciences, and natural sciences. While students may freely select from the courses offered in each of these clusters, they should consult their academic advisor prior to registration.

The courses in this program are designed for transfer. However, students are reminded that the requirements for a bachelor's degree vary among four-year colleges and universities and the Education majors within those institutions. Thus, students are strongly urged to select courses that fulfill the requirements of the school to which they intend to transfer. Students should contact their Pennsylvania Highlands advisor within their first semester and be guided by the catalog of the senior institution they wish to attend after having earned their associate degree.

General Education Requirements

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- ENG 110 - English Composition I**
- ENG 205 - Research Writing
- LIF 111 - Health and Wellness
- MAT 145 - College Algebra
- MAT 200 - Probability and Statistics

Credit hours: 23

Major Requirements

- PSY 100 - General Psychology**
- PSY 155 - Psychology of Thinking and Learning
- EDU 120 - Technology for Teaching/Inclusion
- EDU 240 - Field Experience in Education
- EDU 296 - PRAXIS I Exam Preparation

Credit hours: 13

Humanities Electives

Students must choose 9 humanities credits. Required: One course in literature, one in philosophy or religious studies, and one in fine arts.

Literature:

- ENG 200 - English Composition II/Studies in Literature**
- ENG 230 - Survey of American Literature I
- ENG 235 - Survey of American Literature II
- ENG 240 - Survey of British Literature I
- ENG 245 - Survey of British Literature II

Philosophy or Religious Studies:

- PHI 110 - Introduction to Philosophy**
- REL 100 - World Religions/Religious Studies

Fine Arts:

- ART 101 - Introduction to Art History**
- FLM 110 - Introduction to American Cinema

Credit hours: 9

Social Science Electives

Students must choose 9 social science credits without repeating prefixes.

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- GEO 100 - Introduction to Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture
- SOC 100 - Introduction to Sociology**

Credit hours: 9

Natural Science Electives

Students must choose 8 natural science credits in the same field.

- BIO 104 - Principles of Biology I Lecture
- BIO 106 - Principles of Biology II Lecture
- BIO 114 - Principles of Biology I Lab
- BIO 116 - Principles of Biology II Lab
- CHM 120 - General Chemistry I
- CHM 122 - General Chemistry II

Credit hours: 8

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- TRN 115 - Introduction to Transfer
- CIT 100 - Microcomputer Applications
- ENG 110 - English Composition I**
- LIF 111 - Health and Wellness
- PSY 100 - General Psychology**

Total Credits (14)

Semester II

- PSY 155 - Psychology of Thinking and Learning
- ENG 205 - Research Writing
- COM 101 - Public Speaking
- MAT 145 - College Algebra
- Elective - Social Science

Total Credits (15)

Semester III

- MAT 200 - Probability and Statistics
- EDU 120 - Technology for Teaching/Inclusion
- Elective - Humanities
- Elective - Science
- Elective - Social Science

Total Credits (16)

Semester IV

- EDU 296 - PRAXIS I Exam Preparation
- EDU 240 - Field Experience in Education
- Elective - Humanities
- Elective - Social Science
- Electives - Humanities
- Elective - Science

Total Credits (17)

Minimum Credits to earn A.A. Degree: 62

Technology Management (A.A.S.)

A.A.S. Degree

Program Description

The Associate of Applied Science Technology Management is a program designed to provide recognition for work and life experience while assisting individuals with entrance into an entry level technology field and preparation for career advancement or change. The program is highly individualized and flexible. As many as 30 credits may be awarded for work and life experience including military experience, trade/proprietary school preparation, apprenticeship programs, structured on-the-job training, and transfer credits. Fifteen technical credits will be awarded to graduates of career and technology centers. This degree program provides both a broad scope of technical skills applicable to technician employment in appropriate industry or service companies and management courses to assist in career advancement.

A core foundation including communication, math, science, and management is combined with specialized study areas relative to student/employer interest. Program opportunities exist for graduates as entry level technicians or for skill advancement of currently employed personnel in technical fields.

This program is best suited for students interested in technology and open to new ideas and new and changing career fields and those interested in acquiring management skills.

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate knowledge of basic management and leadership principles.
2. Develop strong communication and critical thinking skills.
3. Demonstrate the ability to solve complex problems/issues.
4. Advance in a career, building on already acquired skills and competencies.

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

Career Opportunities

This program prepares students for employment in the following career and technical fields and others depending on the nature of the student's prior experience:

- Automotive/Diesel Service Supervisor
- Construction First Line Supervisor
- Computer Specialist
- Industrial Maintenance
- Mechanical Drafter/Designer
- Plumbing and HVAC/R Specialist
- Machining/Production Supervisor
- Materials/Transportation Management and Logistics
- Welding/Welding Supervisor

General Education Requirements

- FYE 100 - First Year Experience
- ACE 200 - ACCESS Portfolio
- ENG 110 - English Composition I**
- CIT 100 - Microcomputer Applications
- COM 110 - Interpersonal Communication
- MAT 110 - Business Mathematics or
- MAT 115 - Construction Math or
- MAT 117 - Technical Math for Trades or
- MAT 131 - Intermediate Algebra or
- MAT 145 - College Algebra
- LIF 111 - Health and Wellness
- Elective - Science
- Elective - Social Science

Credit hours: 23-24

Science Electives

- AST 100 - Introduction to Astronomy
- BIO 102 - Life Science
- BIO 104 - Principles of Biology I Lecture
- BIO 114 - Principles of Biology I Lab
- CHM 106 - Introductory Chemistry
- CHM 120 - General Chemistry I
- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab

Social Science Electives

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- PSY 100 - General Psychology**
- SOC 100 - Introduction to Sociology**

Major Requirements

- ACC 100 - Introduction to Accounting
- BUS 110 - Introduction to Business

- BUS 125 - Management Principles
- BUS 165 - Human Resource Management or
- BUS 220 - Small Business Management
- BUS 210 - Business Law
- BUS 230 - Principles of Marketing
- BUS 225 - Business Ethics or
- BUS 240 - Labor Management Relations
- ENG 220 - Business Letter and Report Writing or
- ENG 225 - Technical Writing

Technical Electives

Select five courses from any of the following groups below as technical electives. They are grouped into areas of interest, which may be beneficial to employment and/or transfer, but do not have to be taken together to complete the degree requirements.

Engineering

- CAD 105 - Computer Aided Drafting I
- CAD 106 - Computer Aided Drafting II
- CAD 201 - Computer Aided Drafting 3D
- CHM 120 - General Chemistry I
- MAT 210 - Calculus I

Biological and Natural Sciences

- BIO 104 - Principles of Biology I Lecture
- BIO 106 - Principles of Biology II Lecture
- BIO 114 - Principles of Biology I Lab
- BIO 116 - Principles of Biology II Lab
- CHM 120 - General Chemistry I
- CHM 122 - General Chemistry II
- MAT 200 - Probability and Statistics

Mathematics

- MAT 170 - Precalculus
- MAT 200 - Probability and Statistics
- MAT 203 - Foundations of Higher Mathematics
- MAT 210 - Calculus I
- MAT 220 - Calculus II

Nanofabrication Technology

- CHM 106 - Introductory Chemistry
- CHM 110 - Survey of Organic and Biochemistry
- COM 110 - Interpersonal Communication
- MAT 145 - College Algebra
- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab

Networking Administration Basics

- CIT 110 - Theory of Computing
- CIT 132 - Local Area Networks
- CIT 165 - Hardware Components
- CIT 173 - Windows Enterprise Desktop Operating Systems
- CIT 226 - Windows Server Management

Office Technology

- CIT 102 - Microsoft Access
- CIT 103 - Microsoft Excel
- CIT 105 - Microsoft PowerPoint
- CIT 107 - Microsoft Word
- CIT 110 - Theory of Computing

Technology

- CIT 110 - Theory of Computing
- CIT 132 - Local Area Networks
- CIT 165 - Hardware Components
- CIT 173 - Windows Enterprise Desktop Operating Systems
- CIT 222 - Linux Operating System

Welding

- WEL 125 - Blueprint Reading for Welders
- WEL 105 - Welding I
- WEL 106 - Welding II
- WEL 210 - Welding Equipment Repair and Troubleshooting
- WEL 215 - Welding Inspection and Code Specifications

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- MAT 145 - College Algebra
- CIT 100 - Microcomputer Applications
- ENG 110 - English Composition I**
- BUS 110 - Introduction to Business
Elective - Technical

Total Credits (16)

Semester II

- BUS 125 - Management Principles
- BUS 165 - Human Resource Management
- COM 101 - Public Speaking
Elective - Technical
Elective - Science

Total Credits (15/16)

Semester III

- ACC 100 - Introduction to Accounting
- BUS 210 - Business Law
- BUS 240 - Labor Management Relations
- ENG 220 - Business Letter and Report Writing

Elective - Technical

Total Credits (15)

Semester IV

- ACE 200 - ACCESS Portfolio
Elective - Technical
Elective - Technical
Elective - Social Science
- LIF 111 - Health and Wellness
- BUS 230 - Principles of Marketing

Total Credits (16)

Minimum Credits to earn the A.A.S. Degree: 62

Nanotechnology Option

This option combines four semesters of instruction in the fundamentals of Technology at Pennsylvania Highlands Community College with a fifth semester at the Nanofabrication Facility at Penn State's Research Park, on the University Park campus in State College. The courses in the fifth semester are taught utilizing a class 10 cleanroom with state-of-the-art equipment.

Nanotechnology Career Opportunities

- Career opportunities exist in three areas:
- Manufacturing Associates/Operators
- Equipment Process Technicians
- Facilities Maintenance Technicians

To qualify for the Nanotechnology (NMT) Program a student must be recommended by the faculty member in charge of the NMT Program and must possess the following qualities:

- Have a history of course completion.
- Demonstrate maturity.
- Have good interpersonal skills.
- Have no history of disciplinary problems.
- Work well with others.
- Have shown a genuine interest in the NMT field and be registered as a nanofabrication student.
- Complete the required prerequisites.
- Have a minimum 2.5 GPA

Nanotechnology Program Objectives

Upon completion of the program, the student will be able:

- To demonstrate leadership skills based on a sense of professional and personal integrity, self-esteem, and willingness to receive and give constructive praise and criticism.
- To apply information literacy skills.
- To demonstrate strong communications and critical thinking skills, including reading, writing, organizing, evaluating, problem solving, editing, and presenting skills.
- To demonstrate skills in mathematics and logic applied to technology.
- Operate nanofabrication processing equipment with a focus on safety, environmental and health issues.
- Demonstrate a thorough understanding of the materials handling procedures related to advanced electronic and manufacturing technologies.
- Identify material and physical hazards associated with basic semiconductor processing equipment.
- Communicate advanced technical concepts in an oral, written, and graphical form.
- Use the computer in reporting, analyzing, and researching technical information.
- Provide an active problem-solving link between engineers and production personnel.
- Record relevant information in a working lab notebook.
- Identify industries using nanofabrication technology such as opto-electronics, biomedical, sensors, flat panel displays, information storage, micro-electromechanical devices, micro-fluidics, solar cells, and microelectronics.

Semester V (Nanotechnology Option)

(Classes at Penn State Main Campus)

- ELT 220 - Material, Safety and Equipment Overview for Nanofabrication
- ELT 221 - Basic Nanofabrication Processes
- ELT 222 - Materials in Nanotechnology
- ELT 223 - Lithography for Nanofabrication
- ELT 224 - Materials Modification in Nanofabrication
- ELT 225 - Characterization, Testing of Nanofabricated Structures and Materials

Total Credits (18)

Welding Technology (A.A.S.)

A.A.S. Degree

Program Description

The Associate of Applied Science degree in Welding Technology is designed to train students for employment in the welding fields as a structural steel detailer, trade welder, engineering aide and sales engineer. This program also prepares students for rapid advancement to inspection, shop planning, supervision or one of the many related fields. This program emphasizes hands-on training in multiple welding styles and develops technical knowledge of blueprint reading, layout, metallurgy and manipulative welding skills. Students planning careers in welding need manual dexterity, good eyesight and good eye-hand coordination. Students should have the ability to concentrate on detail work for long periods and be physically able to bend, stoop, and wear protective equipment.

Required Equipment Needed by Student

- Welding Helmet and Lens
(1 #10 Shade Lens and 6 clear Plastic Lens)
- Safety Glasses with Side Shields
- Full-Length Leather Welding Gloves
- Chipping Hammer
- Wire Brush
- Pliers
- Work Clothes and Work Shoes
- Welding Cap
- Welding Coat (Leather recommended)

No student will be permitted to weld without the proper safety equipment, work clothes, or work shoes. Pennsylvania Highlands Community College does not provide the required safety equipment.

Career Opportunities

- Welder
- Structural Welder
- Production Welder
- Quality Assurance/Quality Control Inspector
- Assembler Welder
- Foreman
- Instructor
- Maintenance Welder

Program Objectives

Upon completion of the program, the student will be able to:

1. Apply technical knowledge needed in work situations which involve the welding of materials.
2. Apply the skills necessary to handle welding and testing equipment associated with the various methods of welding.
3. Select the appropriate tools and equipment to perform specific welding operations.
4. Execute mechanical skills in an effective manner to perform a proper weld.
5. Use welding tools and equipment in an effective and safe manner according to manufacturer's recommended procedures.
6. Interpret and relate blueprint information to established work patterns.
7. Communicate effectively to solve problems and seek appropriate guidance when confronted with a problematic situation.
8. Identify, organize, plan, and allocate resources effectively in the computer environment.
9. Develop strong communication and critical thinking skills to include reading, writing, editing, organizing, evaluating, problem solving, and presenting skills.
10. Use interpersonal and team participation skills for effective co-workers and client relationships.

Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

General Education Requirements

- FYE 100 - First Year Experience
- LIF 111 - Health and Wellness
- ENG 110 - English Composition I**
- CHM 106 - Introductory Chemistry
- CIT 100 - Microcomputer Applications
- COM 101 - Public Speaking
- MAT 117 - Technical Math for Trades
- ACE 200 - ACCESS Portfolio
- Elective - Social Science

Social Science Electives

- ANT 100 - Introduction to Cultural Anthropology**
- CIV 100 - Western Civilization: Ancient through Renaissance**
- CIV 110 - Western Civilization: Renaissance to Present**
- ECO 100 - Macroeconomics
- ECO 110 - Microeconomics
- GEO 100 - Introduction to Geography
- GEO 110 - World Regional Geography
- GOV 100 - Introduction to American National Government**
- GOV 210 - Current Events and Contemporary Issues
- HIS 100 - U.S. History I: Discovery through Reconstruction**
- HIS 110 - U.S. History II: Reconstruction to Present**
- HIS 200 - American Immigration
- HIS 205 - American Popular Culture
- HIS 210 - The Civil War and Reconstruction
- HIS 220 - The Vietnam War
- HIS 250 - World War II through Film
- PSY 100 - General Psychology**
- PSY 155 - Psychology of Thinking and Learning
- PSY 200 - Abnormal Psychology
- PSY 210 - Psychology of Aging
- PSY 220 - Introduction to Counseling
- PSY 230 - Human Exceptionality
- SOC 100 - Introduction to Sociology**
- SOC 200 - Contemporary Social Issues
- SOC 205 - Race, Class, and Gender in Society

Credit hours: 24

Major Requirements

- BUS 206 - Operations Management and Process Improvement
- WEL 105 - Welding I
- WEL 106 - Welding II
- WEL 125 - Blueprint Reading for Welders
- WEL 150 - OSHA - Laws and Regulations
- WEL 205 - Advanced Welding I
- WEL 206 - Advanced Welding II
- WEL 210 - Welding Equipment Repair and Troubleshooting
- WEL 215 - Welding Inspection and Code Specifications
- WEL 220 - Metal Fabrication
- WEL 230 - Welding Metallurgy and Materials Characterization

Credit hours: 37

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- MAT 117 - Technical Math for Trades
- ENG 110 - English Composition I**
- WEL 105 - Welding I
- BUS 206 - Operations Management and Process Improvement
- WEL 125 - Blueprint Reading for Welders

Total Credits (16)

Semester II

- CIT 100 - Microcomputer Applications
- LIF 111 - Health and Wellness
- COM 101 - Public Speaking
- WEL 106 - Welding II

- WEL 150 - OSHA - Laws and Regulations

Total Credits (16)

Semester III

- WEL 210 - Welding Equipment Repair and Troubleshooting
- WEL 205 - Advanced Welding I
- WEL 215 - Welding Inspection and Code Specifications
- Elective - Social Science

Total Credits (13)

Semester IV

- ACE 200 - ACESS Portfolio
- WEL 206 - Advanced Welding II
- PHY 102 - Concepts of Physics
- PHY 103 - Concepts of Physics Lab
- WEL 220 - Metal Fabrication
- WEL 230 - Welding Metallurgy and Materials Characterization

Total Credits (16)

Minimum Credits to earn the A.A.S. Degree: 61

Diploma Programs

Child Development

Diploma

Program Description

The education of the young child, birth to age 8, is a rapidly growing field. The students in these certificate, diploma, and degree programs develop professional knowledge, skills and abilities needed to successfully work in private or public early childhood educational setting and also after earning an associate degree continue on for a baccalaureate degree by transferring to a four year institution. Also, certificate and diploma programs along with the associate degree establish a foundation for future movement along the PA Keys Career lattice in Early Childhood Education.

Career Opportunities

1. Child Care Worker
2. Child Care Provider
3. Child Caregiver
4. Before and After School Daycare Worker
5. Nanny

Program Objectives

Upon completion of the program, the student will be able to:

1. Create healthy, safe, supportive, respectful, and challenging environments for all children based on an understanding of child development and learning (NAEYC standard 1).
2. Demonstrate respectful, reciprocal relationships with families and communities in order to empower families in children's learning and development and adapt learning experiences to address the diversity found in child development, family structures, and society (NAEYC standard 2).
3. Engage in authentic responsible use of observation, documentation, assessment, and evaluation in order to inform teaching, to identify child needs and strengths, and to determine family and community needs and strengths thus enhancing child learning and development (NAEYC standard 3).
4. Plan, implement, and evaluate developmentally appropriate learning experiences for all children from birth through 4th grade (NAEYC standard 4).
5. Present a professional portfolio documenting professional credentialing, experiences in the field, hours spent in the field, competency level, and use it in a professional interview defining themselves as professionals in the field of early childhood education (NAEYC standard 5).
6. Demonstrate and articulate early childhood education professional values, ethics, and philosophy (NAEYC standard 5).

Obtaining the Diploma

To earn the Diploma, students must:

- Matriculate into the program.
- Obtain a current Pennsylvania Criminal Record Check (Act 34), Child Abuse History Clearance (Act 151), FBI Clearance, and a valid TB Skin Test to be eligible for the required field experiences. A student should consider these factors before enrolling into this program. Students are required to have these clearances submitted to the Registrar's Office by October 1 of their first semester. If students fail to have clearances submitted by that time, they will be removed from the program.
- Satisfactorily complete all degree requirements.

Typical Sequence of Courses

Semester I

- FYE 100 - First Year Experience
- ENG 110 - English Composition I**
- ECE 101 - Introduction to Early Childhood Education
- ECE 110 - Child Development
- ECE 140 - Early Childhood Environments
- ECE 215 - Teaching: Integrating Curriculum through Creative Expression

Total Credits (16)

Semester II

- MAT 126 - Elements of Mathematics I
- ECE 198 - Early Childhood Education Practicum I
- ECE 205 - Emerging Literacy
- ECE 250 - Children, Families, and Community
- EDU 230 - Children with Special Needs
- EDU 225 - Teaching English Language Learners

Total Credits (16)

Minimum credits to earn Diploma: 32

Medical Coding Specialist

Diploma

Program Description

The Medical Coding Specialist Diploma prepares students to fulfill the demands of the medical coding profession. The program affords students the opportunity to become proficient in skills needed to perform Current Procedural Terminology (CPT), as well as International Classification of Diseases, 9th and 10th revision,

Clinical Modification (ICD-9 CM and ICD-10 CM) medical coding functions. The program includes support courses, such as Human Anatomy and Physiology, Medical Transcription, Financial Management, and Medical Terminology. Current concepts in Managed Care, Ethics, and Health Care Law provide the student with a knowledge base from which to practice.

It is highly recommended that students obtain the following clearances upon admission to the program as it is a standard requirement of most internship sites.

- Pennsylvania State Police Criminal History Record
- Pennsylvania Child Abuse History Clearance

Upon completion of the program, students are eligible to apply and take the CPC National Certification Exam from the American Academy of Professional Coders.

The Standard Occupational Classification for this career is Medical Records Specialist, 29-2071. You can access the occupational profile for this career at <http://www.onetonline.org/link/summary/29-2071.00>. Ten students completed medical coding during the 2010-2011 academic year. Of those 10, 3 students completed the program during its suggested three-semester time frame. Historically, 136 people have graduated from this program, and 46 of them completed the program in three semesters.

Pennsylvania Highlands is a nonresidential institution. Tuition and fees for this program may be determined using the tuition and fees information posted on the College's main website. Costs for textbooks are listed at the College Book Store. Used books and rentals are also available.

Career Opportunities

- Coding Specialist
- Billing Coordinator
- Health Information Management Coder
- Patient Account Representative
- Health Insurance Claims Analyst
- Transcriptionist
- Reimbursement Specialist

Program Objectives

Upon completion of the program, the student will be able to:

1. Utilize current ICD-9-CM*, ICD-10-CM and CPT coding and reporting in a variety of health care settings. (*ICD-9-CM to be eliminated Spring 2015)
2. Discuss the purposes of diagnostic and procedural coding for professional services.
3. Correlate medical terminology, anatomy and physiology, pathophysiology and pharmacology concepts with the coding process.
4. Identify organizational principles of the Health Information Department.
5. Demonstrate computer literacy and basic knowledge of software applications.
6. Apply ethical-legal aspects while performing medical coding activities.
7. Develop interpersonal and team participation skills.

Obtaining the Diploma

To earn the diploma, students must:

- Matriculate into the program.
- Satisfactorily complete all program requirements, including General Education and Major Requirements.

General Education Requirements

- CIT 100 - Microcomputer Applications

Credit hours: 3

Major Requirements

- HSC 100 - Medical Terminology
- HSC 130 - Basic Anatomy and Physiology
- HSC 140 - Basic Disease Process and Pharmacology
- HSC 160 - Law and Ethics for Health Occupations
- HSC 205 - Medical Coding ICD-10
- HSC 210 - Medical Coding CPT
- HSC 211 - Advanced Medical Coding
- HSC 280 - Financial Management in Health Care
- HSC 298 - Medical Coding Internship

Credit hours: 27

Typical Sequence of Courses

Semester I

- CIT 100 - Microcomputer Applications
- HSC 100 - Medical Terminology
- HSC 130 - Basic Anatomy and Physiology
- HSC 205 - Medical Coding ICD-10
- HSC 210 - Medical Coding CPT

Total Credits (15)

Semester II

- HSC 140 - Basic Disease Process and Pharmacology
- HSC 160 - Law and Ethics for Health Occupations
- HSC 211 - Advanced Medical Coding
- HSC 280 - Financial Management in Health Care
- HSC 298 - Medical Coding Internship

Total Credits (15)

Total credits to earn Diploma: 30

Certificate Programs

Child Development

Certificate

Program Description

The education of the young child, birth to age 8, is a rapidly growing field. The students in these certificate, diploma, and degree programs develop professional knowledge, skills and abilities needed to successfully work in private or public early childhood educational setting and also after earning an associate degree continue on for a baccalaureate degree by transferring to a four year institution. Also, certificate and diploma programs along with the associate degree establish a foundation for future movement along the PA Keys Career lattice in Early Childhood Education.

Career Opportunities

1. Child Care Worker
2. Child Care Provider
3. Child Caregiver
4. Before and After School Daycare Worker
5. Nanny

Program Objectives

Upon completion of the program, the student will be able to:

1. Create healthy, safe, supportive, respectful, and challenging environments for all children based on an understanding of child development and learning (NAEYC standard 1).
2. Demonstrate respectful, reciprocal relationships with families and communities in order to empower families in children's learning and development and adapt learning experiences to address the diversity found in child development, family structures, and society (NAEYC standard 2).

3. Engage in authentic responsible use of observation, documentation, assessment, and evaluation in order to inform teaching, to identify child needs and strengths, and to determine family and community needs and strengths thus enhancing child learning and development (NAEYC standard 3).
4. Plan, implement, and evaluate developmentally appropriate learning experiences for all children from birth through 4th grade (NAEYC standard 4).
5. Present a professional portfolio documenting professional credentialing, experiences in the field, hours spent in the field, competency level, and use it in a professional interview defining themselves as professionals in the field of early childhood education (NAEYC standard 5).
6. Demonstrate and articulate early childhood education professional values, ethics, and philosophy (NAEYC standard 5).

Obtaining the Certificate

To earn the Certificate, students must:

- Matriculate into the program.
- Obtain a current Pennsylvania Criminal Record Check (Act 34), Child Abuse History Clearance (Act 151), FBI Clearance, and a valid TB Skin Test to be eligible for the required field experiences. A student should consider these factors before enrolling into this program. Students are required to have these clearances submitted to the Registrar's Office by October 1 of their first semester. If students fail to have clearances submitted by that time, they will be removed from the program.
- Satisfactorily complete all degree requirements.

Required Courses

- ECE 101 - Introduction to Early Childhood Education
- ECE 110 - Child Development
- ECE 140 - Early Childhood Environments
- ECE 215 - Teaching: Integrating Curriculum through Creative Expression
- ECE 250 - Children, Families, and Community
- FYE 100 - First Year Experience

Minimum credits to earn Certificate: 16

Child Development Associate

Certificate

Program Description

The education of the young child, birth to age 8, is a rapidly growing field. The students in these certificate, diploma, and degree programs develop professional knowledge, skills and abilities needed to successfully work in private or public early childhood educational setting and also after earning an associate degree continue on for a baccalaureate degree by transferring to a four year institution. Also, certificate and diploma programs along with the associate degree establish a foundation for future movement along the PA Keys Career lattice in Early Childhood Education.

This certificate will prepare its recipients to work toward the Child Development Associate [CDA] credential. To read more about the process for receiving this credential, visit here: <http://www.cdacouncil.org/the-cda-credential>.

Career Opportunities

1. Child Care Worker
2. Child Care Provider
3. Child Caregiver
4. Before and After School Daycare Worker
5. Nanny

Program Objectives

Upon completion of the program, the student will be able to:

1. Create healthy, safe, supportive, respectful, and challenging environments for all children based on an understanding of child development and learning (NAEYC standard 1).
2. Demonstrate respectful, reciprocal relationships with families and communities in order to empower families in children's learning and development and adapt learning experiences to address the diversity found in child development, family structures, and society (NAEYC standard 2).
3. Engage in authentic responsible use of observation, documentation, assessment, and evaluation in order to inform teaching, to identify child needs and strengths, and to determine family and community needs and strengths thus enhancing child learning and development (NAEYC standard 3).
4. Plan, implement, and evaluate developmentally appropriate learning experiences for all children from birth through 4th grade (NAEYC standard 4).
5. Present a professional portfolio documenting professional credentialing, experiences in the field, hours spent in the field, competency level, and use it in a professional interview defining themselves as professionals in the field of early childhood education (NAEYC standard 5).
6. Demonstrate and articulate early childhood education professional values, ethics, and philosophy (NAEYC standard 5).

Obtaining the Certificate

To earn the Certificate, students must:

- Matriculate into the program.
- Obtain a current Pennsylvania Criminal Record Check (Act 34), Child Abuse History Clearance (Act 151), FBI Clearance, and a valid TB Skin Test to be eligible for the required field experiences. A student should consider these factors before enrolling into this program. Students are required to have these clearances submitted to the Registrar's Office by October 1 of their first semester. If students fail to have clearances submitted by that time, they will be removed from the program.
- Satisfactorily complete all degree requirements.

Required Courses

- ECE 101 - Introduction to Early Childhood Education
- ECE 110 - Child Development
- ECE 250 - Children, Families, and Community

Minimum credits to earn Certificate: 9

Early Childhood Management and Leadership

Certificate

Program Description

The Certificate in Early Childhood Management and Leadership is designed for current and future directors and owners of Early Care and Education programs. Topics include leadership; program quality; health, safety and nutrition; organization and administration; business management; and curriculum and pedagogy. All courses use an inclusive educational model. This certificate meets the academic requirements for the Pennsylvania Early Learning Keys to Quality Director Core Certificate.

Upon successful completion of the certificate program a student is academically eligible to apply for the PA Key Director Core Certificate. Students graduating from this program should be preferred candidates for director positions in programs participating in Pennsylvania's Quality Initiative: Keystone Stars.

Special Program Entry Requirements

Students who enroll in the Early Childhood Management and Leadership Certificate must have one of the following pre-requisites: 1) have an associate's degree in early childhood education, child development, special education or elementary education, or 2) have an associate's degree in degree in any other field, including 9 credit hours of early childhood education, child development, special education, elementary education, or 3) have a bachelor's degree in early childhood education, child development, special education, elementary education. Other bachelor's degrees will be considered if 9 credit hours of ECE courses appear on the college transcript.

Intermediate experience with computers such as CIT100 Microcomputer applications is required.

For those who plan to use this certificate to obtain the PA Director's Credential, full description of the credential's policies and procedures is available at http://www.pakeys.org/pages/get.aspx?page=Career_Degrees.

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate the promotion of positive relationships in verbal, non-verbal, and written communications for all children and adults, including staff, parent, and the community.
2. Implement, monitor, evaluate, and revise curricula that foster growth in all domains of child development including cognitive, emotional, language, physical, social, and spiritual area.
3. Use developmentally, culturally, diverse, and linguistically appropriate and effective teaching approaches and evaluate their effectiveness.
4. Identify or design and implement ongoing assessments of child progress, and use qualitative and quantitative evaluation to assess effectiveness of desired outcomes.
5. Use technology and personal conferences to communicate the importance of nutrition, health, and safety of children, staff, parents (guardians), and visitors.
6. Employ and support qualified teaching staff by establishing standards for employment, staff development, and retention through the development of relevant policies, procedures, and forms.
7. Establish and maintain collaborative relationships with families through the development of many forms of communication including the use of technology.
8. Establish and maintain relationships and use resources of the community by participating in collaborative programs that advance awareness of professional child care and early child hood education and demonstrating the incorporation of information into management activities.
9. Provide a safe and healthy physical environment through application of the federal, state, and local regulations plus the application of best practice standards and accreditation as indicated through the developments of policy, procedure, and practice, inclusive of the special needs of all children.
10. Implement strong program management policies that result in high-quality service using leadership concepts, best business practice, and adherence to the laws and regulations of the federal, state, and local governments.

Obtaining the Certificate

To earn the certificate, the student must:

- Matriculate into the program.
- Comply with the College's requirement to have current Act 34, Act 114, and Act 151 clearances that indicate "no record" on file with the Registrar's Office or a letter stating that the current place of employment accepts the existing clearances as current and of "no record" (required by Pa State Regulations).
- Satisfactorily complete all certificate requirements.

Required Courses

- ECD 281 - Leadership in Early Childhood Programs/Inclusion
- ECD 282 - Child Care Administration II/Inclusion
- ECD 283 - Business Management in Early Childhood Programs
- ECE 225 - Health, Safety and Nutrition for the Young Child

Credits to earn Certificate: 12

Information Security and Analysis

Certificate

Program Description

Security is one of the most desired skills in Information Technology. The Information Security and Analysis Certificate will prepare you to be able to secure computers and networks from all types of threats including malware, viruses, protocol attacks, and more. You will also learn how to analyze your environment for problems associated with threats, bandwidth issues, and issues that can occur at each of the layers of the OSI Model. The one semester certificate will include three core courses, with each course preparing you for 3rd party certification to make your knowledge even more valuable.

Career Opportunities

- Junior Network Security Engineer
- Network Analysis
- Ethical Hacker

Program Objectives

Upon completion of the program, the student will be able to:

1. Be prepared to protect a computer or network environment from physical, internal, and cyber attacks.
2. Be able to perform comprehensive security audits and penetration tests.
3. Analyze and troubleshoot network issues related to security and more.
4. Create and implement a comprehensive security policy.
5. Be prepared to take the following 3rd party vendor certification exams: CIT292 Network Security, CIT293 Wireshark Network Analysis, CIT294 Ethical Hacking, Cisco CCNA Security Certification, Wireshark Certified Network Analyst, EC-Council Certified Ethical Hacker Exam 312-5

Obtaining the Certificate

To earn the Certificate, the student must:

- Matriculate into the program.
- Satisfactorily complete all certificate requirements.

Typical Sequence of Courses

Required Courses

- CIT 292 - Network Security *
- CIT 293 - Wireshark Network Analysis
- CIT 294 - Ethical Hacking

Total Credits (10)

Note(s):

**The pre-requisites for CIT 292, 293, and 294 will be as follows for this certificate only: CIT 132 Local Area Networks or CIT 194 Networking Basics or a minimum of two years of experience as a computer network professional.*

Minimum credits to earn Certificate: 10

Pharmacy Technician

Certificate

Program Description

The pharmacy technician program prepares individuals for the roles of supportive personnel in hospital and community pharmacies. The pharmacy technician provides assistance to the Registered Pharmacist in a variety of tasks involving the preparation, packaging, distribution, labeling, and recording of drugs. Students are theoretically prepared in the practice of pharmacy technician which includes billing, maintenance of stock, computer data entry, legal and ethical guidelines, and professionalism. There are two clinical internships at the end of the program that provide on the job experience in acute care, community, satellite, clinic and private pharmacy settings.

It is highly recommended that students obtain the following clearances upon admission to the program as it is a standard requirement of most internship sites.

- Pennsylvania State Police Criminal History Record
- Pennsylvania Child Abuse History Clearance

Upon satisfactory completion of the program, students are eligible to apply and take a national Pharmacy Technician Certification Exam. Satisfactory completion of this program increases the possibility of passing the certification exam but does not guarantee a passing grade.

The Standard Occupational Classification for this career is Pharmacist Technician, 29-2052. You can access the occupational profile for this career at <http://www.onetonline.org/link/summary/29-2052.00>. Six students completed Pharmacy Technician during the 2010-2011 academic year. Of those six, four students completed the program during its suggested two-semester time frame. Historically, 37 people have graduated from this program, and 19 of them completed the program in two semesters.

Pennsylvania Highlands is a nonresidential institution. Tuition and fees for this program may be determined using the tuition and fees information posted on the College's main website. Costs for textbooks are listed by course via the College Book Store. Used books and rentals are also available.

Career Opportunities

After satisfactory completion of the pharmacy technician program, the graduate will be able to seek employment as a pharmacy technician in the following areas:

- Hospital pharmacies
- Community pharmacies
- Closed (Private) Pharmacies
- Extended care facilities
- Home health agencies
- Satellite pharmacies
- Clinics
- Mail order pharmacy distribution centers
- Pharmaceutical auditor
- Insurance auditor

Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate competencies needed to work as a pharmacy technician in all pharmacy settings.
2. Show proficiency in dispensing medications.
3. Assist Registered Pharmacists in all aspects of pharmacy operations.

4. Function effectively as a member of the health care team.
5. Practice as a pharmacy technician within the legal and ethical framework guidelines.

Obtaining the Certificate

To earn the certificate, the student must:

- Matriculate into the program.
- Satisfactorily complete all certificate requirements.

Courses

- CIT 100 - Microcomputer Applications
- HSC 100 - Medical Terminology
- HSC 130 - Basic Anatomy and Physiology
- HSC 144 - Pharmacology for Pharmacy Technicians
- HSC 190 - Pharmacy Law and Ethics
- HSC 191 - Pharmacology Calculations
- HSC 192 - Pharmacy Technician Practice
- HSC 280 - Financial Management in Health Care
- HSC 295 - Pharmacy Technician -- Hospital Internship
- HSC 296 - Pharmacy Technician -- Retail Internship
- ACE 200 - ACCESS Portfolio

Typical Sequence of Courses

Semester I

- CIT 100 - Microcomputer Applications
- HSC 100 - Medical Terminology
- HSC 130 - Basic Anatomy and Physiology
- HSC 144 - Pharmacology for Pharmacy Technicians
- HSC 192 - Pharmacy Technician Practice

Total Credits (15)

Semester II

- ACE 200 - ACCESS Portfolio
- HSC 190 - Pharmacy Law and Ethics
- HSC 191 - Pharmacology Calculations
- HSC 280 - Financial Management in Health Care
- HSC 295 - Pharmacy Technician -- Hospital Internship
- HSC 296 - Pharmacy Technician -- Retail Internship

Total Credits (12)

Minimum credits to earn Certificate: 27

Course Descriptions

Accounting

ACC 100 - Introduction to Accounting

This is an introductory course in financial accounting - the language of business. This course takes the student through the basics: what accounting information is, what it means, and how it is used. By aiming on the function, not the formation of accounting information, this course will serve those students who will pursue advanced studies in accounting as well as those students who will embark upon other academic paths. This course presumes no prior knowledge of accounting.

3 credits

ACC 110 - Principles of Accounting

This course is designed to supplement Introduction to Accounting (ACC 100) by presenting procedures used throughout the entire accounting cycle, from the point of original entry through the preparation of financial statements. Emphasis is placed on developing a firm foundation of fundamental procedures that will serve as basic preparation for students who elect to challenge advanced accounting courses and as an accounting requisite for students to pursue other majors.

3 credits

ACC 200 - Intermediate Accounting I

A comprehensive study of accounting theory and practice relating to economic resources, concentration is placed on the role of accounting as an information system used to make informed financial decisions.

Prerequisite(s): ACC110 Principles of Accounting

3 credits

ACC 210 - Intermediate Accounting II

A continuation of ACC 200 Intermediate Accounting I, this course presents an in-depth study of accounting principles and concepts relating to various financial instruments, as well as addressing certain critical reporting issues. The course culminates with the analysis of financial statements.

Prerequisite(s): ACC 200 Intermediate Accounting I

3 credits

ACC 220 - Automated Accounting

This course is designed to provide a working knowledge of how computerized accounting systems function. Students work with up-to-date commercial accounting software commonly used in small to mid-sized business. Includes six fully integrated accounting modules: General Ledger, Accounts Receivable, Accounts Payable, Payroll, Inventory, and Projects.

Prerequisite(s): ACC110 Principles of Accounting, CIT100 Microcomputer Applications

3 credits

ACC 230 - Managerial Accounting

This course prepares students to understand the critical role cost management information plays in the overall success of an organization. It presents the essential concepts, behavior, and accounting techniques applicable to manufacturing cost systems. Consistent with the shift in the US economy from manufacturing to services industries, the course also presents how the service sector uses cost accounting.

Prerequisite(s): ACC110 Principles of Accounting

3 credits

ACC 240 - Tax Accounting

This is an introductory tax course that presents a conceptual approach to the federal income tax law by concentrating on broad themes. Designed to sensitize students to the tax implications inherent in business transactions and to cultivate the ability to diagnose tax issues. The course provides a permanent frame of reference into which students can integrate the constant changes in the technical minutia of the tax law.

Prerequisite(s): ACC110 Principles of Accounting

3 credits

ACC 250 - Government/Nonprofit Accounting

A basic-level course in fund accounting for non-business organizations. Emphasis is placed on the fundamental framework of fund accounting and reporting for governmental units as well as addressing other nonprofit institutions.

Prerequisite(s): ACC110 Principles of Accounting

3 credits

ACESS

ACE 200 - ACESS Portfolio

This course prepares students for competing effectively in the highly competitive, real-life employment marketplace. The course focuses on career portfolio development/preparation, resume and cover letter preparation, hands-on experience in effectively using career exploratory reference materials, job search techniques, pre- and post-interviewing techniques, including a mock interview and critique, test taking tips, and appropriate professional apparel. (This is a higher level course and should be taken in the student's last or second to last semester. It is highly recommended that this course be completed prior to one's internship semester.)

1 credit

Activity Profession

ACT 100 - Introduction to the Activity Profession

Students are introduced to the first three curricular areas of the Basic Education Course recommended by NCCAP (National Certification Counsel for Activity Professionals).

4 credits

ACT 140 - Activity Care Planning

This course outlines a frame of reference for care planning, explores the components of an individualized care plan, and discusses the aspects of a health record system. The goal is care planning that helps each resident achieve his/her own measure of quality living by employing NAAP (National Association of Activity Professionals) professional standards. The necessity, legality, and practicality for documentation is studied.

Corequisite(s): ACT100 Introduction to the Activity Profession

2 credits

ACT 200 - Methods of Service Delivery in Activity Profession

This course explores activity program scope, types, and management generated from resident interest, ability, or need. Practical issues include steps in carrying out an activity, developing a calendar, use of equipment, policies, procedures, and ongoing evaluation. Various therapies and modalities are introduced and resources are explored focusing on programs that are geared to resident happiness and growth. Offered on a limited basis.

Prerequisite(s): ACT100 Introduction to the Activity Profession, ACT140 Activity Care Planning

3 credits

ACT 210 - Advanced Management Course

The Advanced Management Course is an NCCAP approved course for students who have received the Activity Professional diploma or equivalent and plan to complete ACT 100-200 before completing this course. Course instruction is oriented toward management activities expected of an Activity Professional including department responsibilities, administrative practices, communication and documentation, activities program development and review, and volunteer and staff supervision. Students complete a 90-hour practicum that meets NCCAP standards.

6 credits

American Sign Language

ASL 101 - American Sign Language I

This course introduces American Sign Language. It focuses on conversation in signs, basic grammar, and cultural aspects of the deaf community.

3 credits

ASL 102 - American Sign Language II

This course begins where American Sign Language I ended. It focuses on conversation in signs, grammar and cultural aspects of the deaf community. Students are able to describe and discuss everyday matters and situations in a culturally appropriate manner using their growing sign vocabulary, more complex grammatical principles and communicative strategies that assist in being understood by the deaf listener.

3 credits

Anthropology

ANT 100 - Introduction to Cultural Anthropology**

This course is a diverse introduction to the subjects, concepts, theories, ethics, and study of anthropology. Emphasis is on cultural exploration of the similarities and differences of human groups.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

Art

ART 101 - Introduction to Art History**

This survey course examines artistic masterpieces from major periods of western art history: Ancient, Egyptian, Greek, Early Medieval, Romanesque, Gothic, Renaissance, Baroque, and 19th Century. The course will examine the religious, philosophical, and social forces that shaped the masterpieces.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

ART 105 - Drawing Fundamentals

This introductory, hands-on course introduces the student to basic drawing fundamentals associated with observational drawing. Techniques explored will include gesture, line, shape, volume, tone, contrast, texture, positive/negative space, perspective and relevant color theory. Students will learn basic drawing skills and fundamental art composition concepts using various media to develop an expression of individual artistic style.

3 credits

ART 110 - Introduction to Painting and Sculpting**

This hands-on course introduces the student to various materials and techniques used to create works of art. The course involves 2 dimensional and 3 dimensional projects.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

Astronomy

AST 100 - Introduction to Astronomy

This course will explore the origin, characteristics and evolution of the solar system, the stars and galaxies, and the universe. The course will discuss historical milestones in the science of astronomy from ancient astronomers to the space probes of today. Consideration will be given to the future of astronomical research and current theories in astronomy.

3 credits

Aviation

AVI 110 - Private Pilot Theory

This course provides the foundation of knowledge needed to progress to the theory courses and flight labs required for professional certificates and ratings. Commonly referred to as "ground school", the course covers the basic components of an airplane as well as elements of aerodynamics, weather, navigation, safety, the national airspace system, and general operating rules and regulations required for the Private Pilot knowledge requirements. Successful completion of this course will provide an endorsement to take the FAA Private Pilot Knowledge Test.

3 credits

AVI 111 - Private Pilot Lab

This course will develop the foundation of knowledge that a pilot will need to possess to safely exercise the privileges of the FAA Private Pilot Certification and progress further to professional certificates and ratings. Pre/Post briefings on the FAA practical test standards required maneuvers will be provided before and after every training flight. The student must successfully pass the FAA Private Pilot written exam and the FAA Private Pilot practical exam to receive the Private Pilot Certification.

Prerequisite(s): Prior to beginning flight training, students must possess at least 3rd class FAA aero-medical certification; proof of U.S. Citizenship as evidenced by birth certificate or Passport or successful TSA screening; and the ability to read, clearly speak, and write in English.

Corequisite(s): AVI110 Private Pilot Theory or credit for previous ground training

3 credits

AVI 120 - Instrument Pilot Theory

This course will introduce the concepts of aircraft control by scan and interpretation of flight instruments. The student will learn to recognize unusual attitude indications and recover from such situations. Human Factors, CRM, and flight physiology will be emphasized. There will be an in-depth study of pitot-static and gyroscopic instrument systems and recognition of anomalies in these systems. The theory of operation, interpretation, and use of VOR, ADF, DME, GPS, RNAV, RMI, HSI and autopilot systems will be examined. A detailed study of IFR regulations, procedures, and publications for IFR operating rules in the U.S. Airspace System will be included. Aviation meteorology will be studied in more detail as well as recognition of potentially hazardous flight conditions. Successful completion of this course will provide an endorsement to take the FAA Instrument Rating written exam.

Prerequisite(s): AVI 110 Private Pilot Theory or credit for previous ground training

3 credits

AVI 121 - Instrument Pilot Flight

This course will provide the student with the basic attitude instrument flying skills, instrument holding, instrument approach procedures, and instrument cross country/ enroute procedures. MTT Aviation Services at the Johnstown Cambria County Airport will provide the flight training. Pre/Post briefings will be provided before and after training flights. Successful completion of this course will provide an endorsement to take the FAA Instrument Airplane Practical Test. Students must complete both the FAA written test and practical test to receive the airplane instrument rating.

Prerequisite(s): FAA third class medical certificate, Proof of U.S. Citizenship or Transportation Security Administration Check, Private Pilot License, AVI 110 Private Pilot Theory and AVI 111 Private Pilot Flight or credit given for previous ground and flight training.

Corequisite(s): AVI 120 Instrument Pilot Theory

3 credits

AVI 210 - Commercial Pilot Theory

This course will take the concepts studied in Private Pilot Theory and Instrument Pilot Theory to a more advanced level to prepare the student for a professional career in the field. Subject matter will include Federal Aviation Regulations that pertain to Commercial Pilot privileges, limitations, and flight operations, NTSB accident case studies and accident/incident reporting, Aerodynamics, Meteorology to include recognition of critical weather situations and use of reports and forecasts, effects of exceeding aircraft performance limitations, function of complex aircraft systems and high performance aircraft operations, aviation safety to include aeronautical decision making and judgment, aviation physiology to include night and high altitude operations, review of the National Airspace System, and Human Factors in aviation. Successful completion of this course will provide an endorsement to take the FAA Commercial Pilot written exam.

Prerequisite(s): AVI 110 Private Pilot Theory, AVI 111 Private Pilot Flight, AVI 120 Theory of Instrument Flight, and AVI 121 Instrument Pilot Flight or credit for previous ground and flight training.

4 credits

AVI 211 - Commercial Pilot Flight I

This course will provide the student with part of the flight training required of the Commercial Pilot FAA practical test standards. This is the first half of two phases of flight training. MTT Aviation Services at the Johnstown Cambria County Airport will provide the flight training. The student will receive pre/post briefings on the commercial maneuvers and complex aircraft systems within the FAA practical test standards before and after flight training. The instruction will include dual flight time and solo flight time for experience requirements.

Prerequisite(s): FAA Third class medical certificate, Proof of U.S. Citizenship or Transportation Security Administration Check, AVI 110 Private Pilot Theory, and Private Pilot License or credit for previous flight/ground training.

Corequisite(s): AVI 210 Commercial Pilot Theory

3 credits

AVI 212 - Commercial Pilot Flight II

This course will provide the second part of the flight training required of the Commercial Pilot FAA practical test standards. This is the second half of two phases of flight training. MTT Aviation Services at the Johnstown Cambria County Airport will provide the flight training. The student will receive pre/post briefings on the commercial maneuvers and complex systems within the FAA practical test standards before and after flight training. The instruction will include dual flight time and solo flight time for experience requirements. Successful completion of this course will provide an endorsement to take the FAA Commercial Pilot Practical Flight Test. Students must complete both the FAA Commercial Written test and FAA Commercial Practical flight test to achieve the Commercial Pilot License.

Prerequisite(s): FAA third class medical certificate, Proof of U.S. Citizenship or Transportation Security Administration Check, AVI 210 Commercial Pilot Theory, and AVI 211 Commercial Pilot Flight or credit for previous flight/ground training.

3 credits

AVI 220 - Certified Flight Instructor Theory

This course will take the Commercial Pilot through the fundamentals of instructing including the learning process, elements of effective teaching, student evaluation and testing, course development, lesson planning, and classroom training techniques. Successful completion of this course will provide an endorsement to take the FAA Fundamentals of Instructing Knowledge Test as well as the FAA Flight/Ground Instructor Knowledge Test.

Prerequisite(s): AVI 120 Theory of Instrument Flight, AVI 121 Instrument Pilot Flight, AVI 120 Commercial Pilot Theory, AVI 211 Commercial Pilot Flight I, AVI 212 Commercial Pilot Flight II or credit for previous flight/ground training.

3 credits

AVI 221 - Certified Flight Instructor Flight

This course will provide the student with the flight training required of the Flight Instructor FAA practical test standards. The student will first become proficient in flying from the right seat. Second, the student will analyze flight maneuvers associated with the Private Pilot, Commercial Pilot, and Flight Instructor Practical Test Standards and gain practical experience in teaching these maneuvers while maintaining an awareness of safety and the overall flight environment. Pre/Post briefings will be provided before and after flight training. Successful completion of this course will provide an endorsement to take the FAA Flight Instructor Practical Flight Test. The student must pass the FAA Fundamentals of Instructing written test, FAA Flight/Ground Instructor Written Test, and FAA Flight Instructor Practical Flight Test to achieve the Flight Instructor License.

Prerequisite(s): FAA third class medical certificate, Proof of U.S. Citizenship or Transportation Security Administration Check

Corequisite(s): AVI 220 Certified Flight Instructor Theory

3 credits

Biology

BIO 102 - Life Science

This course is a survey course for non-majors that examines the processes common to all life on Earth. Science and the scientific method are described. Topics include cell structure, energy transfer in plants and animals, genetics, evolution, ecology and conservation. This course may not be transferrable to 4 year colleges as a science course.

3 credits

BIO 104 - Principles of Biology I Lecture

This introductory course provides an overview of the basic principles of biology including the structure and function of the cell, cellular respiration, photosynthesis, mitosis, meiosis, genetics and evolution. Lectures emphasize human biology and are complemented by discussions that stress critical thinking. This course is designed to prepare students for more advanced courses in biology.

Corequisite(s): BIO 114

3 credits

BIO 106 - Principles of Biology II Lecture

This introductory course provides an overview of the basic principles of biology including the structure and function of animals and plants, including organ systems, reproduction and the regulation of body systems. The course also provides an overview of the Earth's ecosystems and the diversity of life within each ecosystem. Lectures are complemented by discussions that stress critical thinking. This course is designed to prepare students for more advanced courses in biology.

Prerequisite(s): BIO 104 Principles of Biology I

Corequisite(s): BIO 116 Principles of Biology II Lab

3 credits

BIO 108 - Forensic Biology Lecture

This course is designed to show students the link between science and criminal conviction. Through the application of the scientific method, students will investigate decomposition, body fluid, DNA, trace evidence, and significant microbial evidence. Students will apply the basic principles of biotechnology and crime scene investigation to solve a crime.

Prerequisite(s): BIO 104 Principles of Biology I

Corequisite(s): BIO 118

3 credits

BIO 114 - Principles of Biology I Lab

This introductory course provides an overview of the basic principles of biology including the structure and function of the cell, cellular respiration, photosynthesis, mitosis, meiosis, genetics and evolution. Lab experiments are designed to teach basic scientific skills, and to reinforce the topics covered during BIO 104 lectures. This course is designed to prepare students for more advanced courses in biology.

Corequisite(s): BIO 104

1 credit

BIO 116 - Principles of Biology II Lab

This introductory course provides an overview of the basic principles of biology including the structure and function of animals and plants, including organ systems, reproduction and the regulation of body systems. The course also provides an overview of the Earth's ecosystems and the diversity of life within each ecosystem. Lab experiments are designed to teach basic scientific skills, and to reinforce the topics covered during lectures. This course is designed to prepare students for more advanced courses in biology.

Prerequisite(s): BIO 104 Principles of Biology I

Corequisite(s): BIO 106 Principles of Biology II Lecture

1 credit

BIO 118 - Forensic Biology Lab

This course is designed to enhance student understanding of the link between science and criminal investigation. Through the application of the scientific method, students will investigate decomposition, body fluid, DNA, trace evidence, and significant microbial evidence. Students will apply the basic principles of biotechnology and crime scene investigation to solve a crime.

Corequisite(s): BIO 108

1 credit

BIO 202 - Human Anatomy and Physiology I

This course introduces the student to the structure and function of the human body. This is a semester long introduction to Human Anatomy and Physiology and prepares the student for Human Anatomy and Physiology II. Course topics will include the organization of the body at the molecular, cellular, and tissue levels and homeostatic mechanisms associated with the endocrine, integumentary, skeletal, muscle, and nervous systems.

Prerequisite(s): BIO 104 or accepted by CSON or high school biology within the last five years

Corequisite(s): BIO 212

3 credits

BIO 204 - Human Anatomy and Physiology II

This course is the second half of a yearlong introduction to Human Anatomy and Physiology. Course topics will include the organization of the body systems at the molecular, cellular, and tissue levels and homeostatic mechanisms associated with the cardiovascular, respiratory, lymphatic, digestive, urinary and reproductive systems.

Prerequisite(s): BIO 202

Corequisite(s): BIO 214

3 credits

BIO 206 - Microbiology

This course is designed to introduce students to the fundamental concepts of microbiology, and the application of those concepts to human disease. Lecture will include the study of microorganisms, their metabolic processes, and their relationship to disease.

Prerequisite(s): BIO 104 or accepted by CSON

Corequisite(s): BIO 216

3 credits

BIO 207 - Ecology

This course will acquaint students with the fundamental principles of an ecological science, including concepts of relationships between organisms and environments, climate effects on ecological environments, ecological community structures, animal and plant population growth and analysis of species diversity according to specific ecosystems.

Prerequisite(s): BIO 104/114, MAT 131

Corequisite(s): BIO 217 Ecology Lab

3 credits

BIO 208 - Genetics

Organisms can be more fully understood by knowing the hereditary make up that dictates development. This lecture course will introduce the student to heredity through the study of chromosomes, mutations, molecular genetics and evolutionary genetics. The principles presented in this course will prepare the life science major for more advanced topics in the field of biology.

Prerequisite(s): BIO 104 Principles of Biology I

Corequisite(s): BIO 218 Genetics Lab

3 credits

BIO 212 - Human Anatomy and Physiology Lab I

This course introduces the student to the structure and function of the human body. This is a semester long introduction to Human Anatomy and Physiology Lab applications. Students will experience and apply the material learned in lecture through experimentation and application of the scientific method to the following topic areas. Course topics will include the organization of the body at the molecular, cellular, and tissue levels, focusing on the integumentary, skeletal, muscle, and nervous systems.

Prerequisite(s): BIO 104 Principles of Biology I; or accepted by CSON; or high school biology within the last five years

Corequisite(s): BIO 202

1 credit

BIO 214 - Human Anatomy and Physiology Lab II

This course is the continuation of Human Anatomy and Physiology I Lab. Students will experience and apply the material learned in lecture through dissection and application of the scientific method to the following topic areas: cardiovascular, muscular, lymphatic, respiratory, digestive, urinary, reproductive, and endocrine systems.

Prerequisite(s): BIO 202

Corequisite(s): BIO 204

1 credit

BIO 216 - Microbiology Lab

This course is designed to introduce students to the fundamental concepts of microbiology, through the application of those concepts to human disease. Laboratory work includes culturing, staining, studying, and identifying microorganisms.

Prerequisite(s): BIO 104 Principles of Biology I or accepted by CSON

Corequisite(s): BIO 206

1 credit

BIO 217 - Ecology Lab

The course illustrates many of the topics introduced in lecture through hands-on laboratory experiments and detailed case studies.

Prerequisite(s): BIO 104/114, MAT 131

Corequisite(s): BIO 207 Ecology

BIO 218 - Genetics Lab

Organisms can be more fully understood by knowing the hereditary make up that dictates development. Through laboratory experiences, students will apply genetic concepts that are introduced in lecture, such as chromosome structure, mutation, and evolutionary genetics. The principles presented in this course will prepare the life science major for more advanced topics in the field of biology.

Prerequisite(s): BIO 104 Principles of Biology I

Corequisite(s): BIO 208 Genetics

1 credit

Building

BUI 101 - Civil Survey I

This course starts with the fundamentals of raw data and how to work with it in a CADD environment to produce Civil drawings and Survey drawings. This course covers the basics for a boundary survey drawing including meets and bounds descriptions, symbols, and abbreviations. The student will also learn to create topographic drawings to include all existing information found in the field. The raw information used to create the topographic drawing will then be used to perform grading and volume calculations. A complete explanation of symbols, abbreviations, and drawing requirements will be given as they relate to the creation of civil and survey drawings.

Prerequisite(s): CAD102 Computer Aided Drafting II

3 credits

BUI 102 - Architectural I

This course covers techniques for rapid development of working plans. Students will learn to identify, create, store and use appropriate symbols within the CADD environment. The main emphasis will be placed on design and engineering for residential construction, some comparisons will be made to the similar techniques used for commercial projects. Drawings included within the course will be: sections, floor plans, foundation plans, various schedules and elevations. Advanced drafting techniques utilizing the latest CADD software will be emphasized.

Prerequisite(s): CAD102 Computer Aided Drafting II

3 credits

BUI 125 - Architectural Blueprint Reading

This course covers the basics for reading blueprints for Architecture construction plans. Students will learn various layouts and structure of Architecture construction plans. They will learn and understand common symbols and drawing techniques used in the industry. Students will learn how to identify and find floor plans, details, schedules, notes and sections within any complete set of Architecture construction plans. The student will then learn to perform quantity take-offs for the materials needed to construct a given project.

3 credits

BUI 200 - Building System I - Civil/Survey

This course requires the student to use the information learned from Civil/Survey I and apply to roadway and pipeline design. The student will create alignments from existing and proposed centerlines to create profiles. The student can then apply templates for roadway design. Using pipe networks within CAD program the student can layout a pipe system for sewers, gas lines, and waterlines including plan and profiles.

Prerequisite(s): BUI 101 Civil/Survey I

4 credits

BUI 220 - Building System IV - Architectural

This course continues where BUI 102 Architectural I ended using CAD and Revit software. The course uses the individual building components as they relate to the overall building design. Students are required to already have the building components and will learn to incorporate those disciplines into architecture plans. This entire course will relate everything to project completion. The main emphasis will be placed on complete design and engineering for residential construction and the materials needed to construct it. The students will work on a complete residential project using Revit software as part of the course.

Prerequisite(s): BUI102 Architectural I, BUI221 Building Component - Electrical, BUI222 Building Component - Plumbing/Fire Protection, BUI223 Building Component - HVAC

4 credits

BUI 221 - Building Component -- Electrical

This course covers and utilizes the theories and symbolic representation used in Design and Layout of Electrical Drawings. The student will learn how to design and draw basic residential electrical drawings using CAD. The student will work with the basic requirements for lighting design and layouts and apply that knowledge to the creation of lighting drawings using CAD.

Prerequisite(s): CAD102 Computer Aided Drafting II

3 credits

BUI 222 - Building Component -- Plumbing/Fire Protection

This course covers the basic symbols, symbol libraries, abbreviations, details, and schematic diagrams used on plumbing/fire protection design drawings for buildings. The student will learn how to Design and Draw basic plumbing plans. The student will use industry codes governing fixture selection and layout when Designing and Drawing plumbing plans. This course covers basic fire protection systems. The student will learn to design and draw basic fire protection layouts and plans using of sprinklers and showing the piping valves and fittings. This course does cover a complete explanation and basic understanding of symbols used on plumbing layouts of fixtures, equipment, piping, valves and fittings.

Prerequisite(s): CAD102 Computer Aided Drafting II

3 credits

BUI 223 - Building Component -- HVAC

This course covers and utilizes standards and techniques for layout and drawing through the use of CADD software in the development of Heating, Ventilation, and Air Conditioning (HVAC) drawings for buildings. The student will learn to recognize and utilize standard parts and/or symbol libraries to develop and illustrate HVAC features. The student will not only use CADD to create drawing he or she will also learn to size the Ductwork and Piping shown on HVAC plans.

Prerequisite(s): CAD102 Computer Aided Drafting II

3 credits

BUI 234 - Civil Survey II

This course requires the student to use the information learned from Civil/Survey I and apply to roadway and pipeline design. The student will create alignments from existing and proposed centerlines to create profiles. The student can then apply templates for roadway design. Using Pipe networks within the CADD program the student can layout a pipe system for sewers, gas lines, and waterlines including plan and profiles.

Prerequisite(s): BUI101 Civil/Survey I

3 credits

BUI 235 - Architectural II

This course continues where BUI102 Architectural I left off. The course uses the individual building components as they relate to the overall building design. Students are required to already have the Building components and will learn to incorporate those disciplines into Architecture plans. This entire course will relate everything to project completion. The main emphasis will be placed on complete design and engineering for residential construction and the materials needed to construct it. The students will be required to do a complete residential project using CADD as part of the course.

Prerequisite(s): BUI102 Architectural I, BUI221 Building Component -- Electrical, BUI222 Building Component -- Plumbing/Fire Protection, BUI223 Building Component - HVAC

3 credits

BUI 298 - Architectural/Civil Internship

The internship is a credit-worthy opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom knowledge through practical application. To earn three credits, an intern must satisfactorily complete a minimum of 135 hours on the job.

Prerequisite(s): Students may intern after earning at least two-thirds of their program and a 2.00 grade point average. All students must apply to intern during the semester prior to the semester in which they plan to earn the internship credits.

3 credits

BUI 299 - Building Systems Internship

The internship is credit-worthy work opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom knowledge through practical application. Internship credits vary from 1-4 depending on one's program. To earn one credit, an intern must satisfactorily complete a minimum of 45 hours on the job.

Prerequisite(s): Students may intern after earning at least two-thirds of their program credits and a 2.0 grade point average. All students must apply to intern during the semester prior to the semester in which they plan to earn the internship credits.

1-4 credits (45-180+ hours)

Business

BUS 110 - Introduction to Business

This course examines the social, legal, ethical, economic, and political interactions of business and society. This is a foundation for students who specialize in some aspect of business and also provides the opportunity for non-business majors to learn about the impact of business in a society in which they are citizens, consumers, and producers. Topics include economic systems; government and business; ethics and law; social responsibility; globalization; and international business concepts, principles and practices.

3 credits

BUS 125 - Management Principles

This course presents the principles, techniques, and concepts needed for managerial analysis and decision making. It highlights the functions of planning, organizing, influencing, and controlling behavior in the organization. Principles of organization development are introduced.

3 credits

BUS 130 - Personal Consumer Finance

This course is designed for students with little or no experience in personal money management. The course analyzes the interrelationships of budgeting, bank, credit, investments, taxation, insurance, and estate planning as related to individual and/or family consumer decision making.

3 credits

BUS 165 - Human Resource Management

This course examines the policies and practices used by human resource management teams to build and maintain an effective workforce. A major issue is the changing role of Human Resources (HR) in organizations. HR was once a clerical function that was relegated to the lower echelons of the organization; today more companies have elevated the HR function to an integral part of the senior planning team. Topics covered include human resource planning, job analysis, recruitment, selection, performance appraisal, workforce development, compensation, discipline discharge, workplace safety and health, and labor relations.

3 credits

BUS 206 - Operations Management and Process Improvement

This course is an introduction to the study of operations management and process improvement, its philosophies and tools. It examines the quality dimensions of products and services; the impact of quality on operations and productivity; and the quality management philosophies of Deming, Juran, and Crosby. Additionally, students become familiar with problem solving and some of the primary tools of operations management, including brainstorming, histograms, flow charts, cause and effect diagrams, Pareto charts, and control charts for variables and attributes.

3 credits

BUS 210 - Business Law

This is an introductory course that considers the nature of business law and procedural framework of the legal system. Special interest centers around current legal issues such as compliance issues, EEOC environmental laws and regulations, employment problems/issues, workers' compensation, and sexual harassment.

3 credits

BUS 220 - Small Business Management

This course is a review of considerations faced by students planning to establish and manage a small business venture. Includes forms of ownership, financial planning and resources, and basic considerations in operations and control.

3 credits

BUS 225 - Business Ethics

This course considers ethical issues that arise in the context of business needs and practices. We begin by reviewing normative ethical theories, which we will, then, apply to specific questions that arise in the practice of business—e.g. “In whose interests ought corporations be governed?”, “What obligations do businesses have to protect and preserve the environment?”, “What ethical norms should govern international business ventures?”, “Should employees be fired at-will, or should they only be fired only for just cause?”, etc.

3 credits

BUS 230 - Principles of Marketing

This course is a study of the major elements in the marketing mix, including demand, product planning, pricing, channels, logistics of distribution, and promotion. Principles, functions, and basic problems are also under discussion. The class examines actual practical case studies to assist the student in fully comprehending the nature of marketing.

3 credits

BUS 240 - Labor Management Relations

This course will focus on the major elements of labor management relations. History of the labor movement, labor law, union organizing, and the bargaining for and the administration of labor contracts will be discussed. A contract will be negotiated by the class.

3 credits

BUS 298 - Business Management Internship

The internship is a credit-worthy work opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom knowledge through practical application in a business setting. Internship credits vary from 1-4 depending on one's academic goals. To earn one credit, an intern must satisfactorily complete a minimum of 45 hours on the job; two credits equates to 90 hours; three credits includes 135 hours, and four credits requires the completion of 180 hours on the job.

2-4 Credits

Chemistry

CHM 106 - Introductory Chemistry

This course is designed to introduce the student to basic concepts of chemistry and connections of these chemical principles to everyday life. Topics include atomic structure, the periodic table, stoichiometry, properties of gasses, chemical bonding, acids and bases, and oxidation-reduction reactions. Laboratory exercises are designed to supplement the lecture material, and to introduce common equipment and techniques in the field of chemistry.

Prerequisite(s): MAT131 Intermediate Algebra, MAT 117 Technical Math for Trades, or high school algebra

4 credits

CHM 110 - Survey of Organic and Biochemistry

This course is designed to provide an overview of organic chemistry and biochemistry. Topics include functional groups of organic compounds, the structure and function of carbohydrates, the structure and function of lipids, the structure and function of proteins, and the structure and function of DNA.

Prerequisite(s): CHM106 Introductory Chemistry

4 credits

CHM 120 - General Chemistry I

This course is designed to prepare students for more advanced courses in chemistry and science. The lecture portion of the course focuses on the study of the properties of matter and chemical transformations. Topics include: measurement, chemical nomenclature, chemical reactions and stoichiometry, atomic theory, molecular structure, thermochemistry, and gas laws. The laboratory will reinforce the lecture topics and emphasize safety technique. This course is a first semester course of a two semester sequence.

Prerequisite(s): High School Chemistry and Algebra (or placement test into College Algebra)

4 credits

CHM 122 - General Chemistry II

This course is designed to prepare students for more advanced courses in chemistry and science. This course is a continuation of the study of the basic principles of chemistry. Topics include: intermolecular forces, solutions, kinetics, equilibria, acids and bases, thermodynamics, electrochemistry, nuclear chemistry, and organic chemistry. The laboratory will reinforce the lecture topics and emphasize safety and technique. This course is a second semester course of a two semester sequence.

Prerequisite(s): CHM120 General Chemistry I

4 credits

Civilization

CIV 100 - Western Civilization: Ancient through Renaissance**

This course examines past cultures in order to compare their experiences and make us aware of the opportunities and limitations of modern cultures. Major political, social, economic, and culture trends and their influences on modern civilization are examined. As an introduction, this course begins in the Ancient Near East and proceeds through the Central Middle Ages. Western Civilization II (CIV101) examines the period from the 17th century to the present.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

CIV 110 - Western Civilization: Renaissance to Present**

This course examines the history and experiences of cultures from the Renaissance to the present. Major political, social, economic, cultural and religious trends and influences are examined, discussed and interpreted. Topic discussions include perspectives on the rise of European power, revolutions (political, social, scientific and economic), the arts, literature, philosophy, nationalism and global interdependence among nations.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

College Reading

ICR 020 - Basic College Reading

This course is designed to establish and develop word recognition skills and improve vocabulary so students may comprehend written material at the appropriate level. Vocabulary, comprehension, thinking, and study strategies are emphasized along with an introduction to the library. This course does not count toward graduation, does not earn college credit, and is not counted in GPA calculations.

3 institutional credits

ICR 031 - Critical College Reading

This course focuses on the types of reading that students will encounter in the various academic areas. Topics such as annotating, summarizing, paraphrasing, note taking, outlining, and mapping will be skills learned in conjunction with reading in specific disciplines. Reading various materials such as print media,

electronic media, graphics and visuals, will be stressed. Critical thinking and analysis of college text material will be required. This course does not count toward graduation, does not earn college credit, and is not counted in GPA.

3 institutional credits

Communication

COM 101 - Public Speaking

This course is designed to provide an introduction to the knowledge and skills needed to prepare and deliver effective oral presentations. Topics include the principles and practice of adapting to audiences; creating, researching, and structuring messages; rehearsing and delivering extemporaneous speeches; reporting and evaluating other speakers' intent, content, format, and delivery.

3 credits

COM 110 - Interpersonal Communication

This course is a growth-oriented, adaptive communication course that helps students to become more self-confident and self-aware in relationships with friends, co-workers, intimates, and family members. Topics include self-esteem, perception, healthy lifestyle, listening, assertiveness, and conflict management. Required journal entries, exercises, discussions, and readings which focus on feelings and behaviors to promote a healthy psychological adjustment.

3 credits

COM 115 - Introduction to Communication

This introductory communication course explores human communication in its broadest sense. Emphasis is placed on providing entry-level students with an overview of human communication theory; interpersonal communication; small group, nonverbal, intercultural communication; the basics of effective presentations; and the nature of conflict and strategies for its resolution.

3 credits

COM 120 - Organizational Communications

Communication within an organization is a requirement for success and growth in today's competitive business environment. Classic and contemporary theoretical approaches to organizational communication are examined, as well as communication issues in the work place related to cultural, social, and leadership issues. Students study the formal flow of information as well as the grapevine channels of communication. Students review information technologies, such as the Internet, the World Wide Web, and teleconferencing.

3 credits

COM 125 - Effective Presentation Skills

This course helps students develop the skills necessary to make business presentations. Emphasis is placed on using multimedia techniques, software programs, and other materials available today to deliver a message to a variety of audiences, such as coworkers, small groups, clients, or the general public.

3 credits

COM 200 - Media and Society

This course examines the effects of mass media on attitudes and behavior that are observed and experienced. A historical and student experiential perspective for current issues, developed from an examination of the business and profession of mass communication are examined. The functions, interrelationships and responsibilities of print, electronic, cinema and communication, journalism, marketing, public relations, business, management and the general college student or professional who would benefit from a conceptual/analytical examination of mass communication and seek to understand this important part of their culture. Students should leave the course with an understanding of the fundamentals of communication theory; how mass media systems evolved; how organizations, which make up the systems, operate; the effects of mass media on individuals, groups and institutions; and the influence of information technology on media systems and society.

3 credits

COM 210 - Group Dynamics

This course focuses on defining a group, theories of group development, decision making strategies, communication concepts, emotionality within groups, conflict resolution techniques, methods for diagnosing group problems and techniques for improving group efficiency. The course is intended to provide you with the understanding and skill necessary to communicate effectively in any group, whether it is a social club, a religious organization, or a high-level executive committee in your future career. However, it goes more specifically to your preparation for the intensive work in terms that you probably will experience in your personal life and in your workplace. It will give you a foundation of knowledge, experience to develop your skills, and a resource for future use.

3 credits

Computer Aided Drafting

CAD 105 - Computer Aided Drafting I

This course covers basic Windows, computer and CAD terminology, and basic entity creation and modification all of which are used to produce elementary geometric figures. Students learn to use and control accuracy enhancement tools, use geometric and non-geometric editing commands, control coordinates and display scale, and use layering techniques.

3 credits

CAD 106 - Computer Aided Drafting II

This course covers and uses standards and techniques for layering and efficient drawing production through the use of CAD library development, including the use of attributes. Students learn to use standard parts and/or symbol libraries, grouping techniques, and query commands to interrogate database, trim surfaces, edit control points, and extract geometric data.

Prerequisite(s): CAD 105 Computer Aided Drafting I

2 credits

CAD 201 - Computer Aided Drafting 3D

This course is designed to expose the advanced CAD user to all aspects of 3-D design. Students will work with 3D models, 3D surface models, solid modeling, presentations and application projects. Students will use the latest version of AutoCAD to complete their assigned work.

Prerequisite(s): CAD102 Computer Aided Drafting II

3 credits

Computer Information Technology

CIT 100 - Microcomputer Applications

This hands-on course introduces the student to the more popular microcomputer software packages available including Windows, word processing, spreadsheets, and presentations. This course provides students with a working knowledge of these software packages to accomplish the more common tasks. The Microsoft Office suite, MS Word, MS Excel and MS PowerPoint is used.

3 credits

CIT 102 - Microsoft Access

This course introduces students to the basic concepts of database design using Access as the database management system (DBMS). Focus is on the design and management of databases including the creation of database tables, input forms, output reports, and the design of queries against the database using structured query language (SQL). Students are required to design and develop a project database using the various Access constructs.

Prerequisite(s): CIT100 Microcomputer Applications

3 credits

CIT 103 - Microsoft Excel

This hands-on course provides students with a working knowledge of the spreadsheet package Microsoft Excel. Students learn the basics of creating a spreadsheet and move into the more advanced spreadsheet features such as formatting, charting, reporting, functions, file operations, data management, and what-if analysis.

Prerequisite(s): CIT100 Microcomputer Applications

3 credits

CIT 104 - Microsoft Project

This course is for students who need to stay in control of ongoing projects. Students first become familiar with project management theory followed by hands-on training in Microsoft Project. Specific topics covered include tracking projects, charting, event scheduling, and resource management.

Prerequisite(s): CIT100 Microcomputer Applications

3 credits

CIT 105 - Microsoft PowerPoint

This course provides students with in-depth information on how to create professional presentations through the use of Microsoft PowerPoint. Students create overheads, electronic paper, photo/print and slide presentations. Students learn how to manipulate and control PowerPoint to organize effective and professional presentations.

Prerequisite(s): CIT100 Microcomputer Applications

3 credits

CIT 107 - Microsoft Word

This course provides basic as well as advanced information and hands-on training in the use of Microsoft Word for Windows. Students create, edit, format, revise and print documents. Students also learn to add graphics to documents and work with multiple documents as well as sorting and merging techniques.

Prerequisite(s): CIT100 Microcomputer Applications

3 credits

CIT 110 - Theory of Computing

This course provides students with an understanding of the components of the computer and how these components coordinate with each other to become a computer system. Topics covered include hardware and its functions, operating systems and how they coordinate and manage computer activities, computer terminology, the various uses of computers in the home and office, data storage, the future of technology, computer ethics, and other concerns. This course lays the foundation required in technical education and serves as a stand-alone overview of the use of technology in office automation.

Corequisite(s): CIT100 Microcomputer Applications

3 credits

CIT 113 - Advanced Microcomputer Applications

This hands-on course introduces the student to the advanced features of the more popular microcomputer software packages available including word processing, spreadsheets, presentations, and databases. This course provides students with a working knowledge of these software packages to accomplish the common tasks needed by an information technology professional. The Microsoft Office suite, including MS Word, MS Excel, MS PowerPoint, and MS Access is used.

Prerequisite(s): CIT 100

3 credits

CIT 132 - Local Area Networks

This course provides an overview of data communications and PC connectivity as it explores the terminology, equipment, and procedures that are used as Local Area Network (LAN) building blocks. This course also covers methods of connecting PC's and the specialized applications that are designed to use the special advantages of a networked environment.

4 credits

CIT 165 - Hardware Components

This course is designed to provide the student with the knowledge and ability to identify various types of computer hardware. The student will become familiar with internal and external hardware and their configurations.

3 credits

CIT 166 - Programming with Visual Basic

This course will provide the student with a working knowledge of the popular programming language, Visual Basic. Students will learn the syntax, structure, and semantics of Visual Basic as well as how to create Graphical User Interfaces (GUI's), and object oriented techniques.

3 credits

CIT 173 - Windows Enterprise Desktop Operating Systems

This course is designed to provide the student with the knowledge and ability to design, install, and maintain desktop operating system. Students explore advanced aspects of the newest Windows desktop operating system, Windows 7. Topics covered include installation and mass installations, the user interface, hardware and software requirements and support, remote connectivity, networking, and troubleshooting. After successful completion of the course, students will be prepared to take the Microsoft certification exam #70-680.

3 credits

CIT 194 - Networking Basics/CISCO I

This course is designed to introduce the student to the basic elements of networking. This is also the first of four courses provided in partnership with Cisco Systems that are geared towards providing students with the knowledge and ability to become Cisco certified as a Cisco Certified Network Administrator.

Corequisite(s): CIT110 Theory of Computing

5 credits

CIT 201 - Database Management for Healthcare

This course provides a global understanding of the theory behind data management and the use of database management tools such as the Microsoft Access application for generating relational databases and extracting customized reports from databases. Instruction will be tailored around the use of these tools in handling medical office business operations as well as understanding how they both integrate with electronic health records systems.

3 credits

CIT 222 - Linux Operating System

This course provides an overview of the Linux operating system and describes the variance between different Linux implementations and different shells. It covers the major utilities and the commands that are available from the command line as well as covering the use of the Linux text editor "vi."

3 credits

CIT 226 - Windows Server Management

This course is designed to provide the student with the knowledge and ability to administer a Windows server environment. The focus will be on Windows server software and its associated administrative requirements including installation, server configuration, system management, troubleshooting, and an in-depth look at Active Directory.

Prerequisite(s): CIT194 Networking Basics/CISCO I or CIT 132 Local Area Networks

4 credits

CIT 228 - Wireless Networking

This course will teach students skills in the configuration, implementation, and support of wireless LANs, specifically those networks using Cisco equipment. Students completing the recommended Cisco training are provided with information and practice activities to prepare them for configuring, monitoring, and troubleshooting basic tasks of a Cisco WLAN in small to Enterprise networks.

Prerequisite(s): CIT194 Networking Basics/CISCO I or CIT132 Local Area Networks

3 credits

CIT 233 - Windows Enterprise Services

This course will provide the student with the knowledge needed to deploy and configure an organization's application infrastructures with Microsoft Windows Server 2008. Students will learn to deploy services such as Media Server, IIS, Terminal Services, Sharepoint, and SANs and how to set up a network environment. Upon successful completion of the course, the students will be eligible to take the Microsoft 70-643 Applications Infrastructure Configuration certification exam.

Prerequisite(s): CIT 226 and CIT 237

3 credits

CIT 237 - TCP/IP Connectivity and Troubleshooting

This course is designed to provide the student with a working knowledge of TCP/IP for purposes of internetworking. In this course the student will explore the history of TCP/IP as well as the functionality of the TCP/IP protocol suite, TCP/IP internetworking, and managing TCP/IP.

Prerequisite(s): CIT132 Local Area Networks

3 credits

CIT 285 - Network Administration Project

This course is designed as a capstone project for the Network Administration option. This course will provide the student with the opportunity to perform a major, hands-on project pertaining to this field.

Corequisite(s): CIT233 Windows Enterprise Services. Must be taken in student's last semester.

2 credits

CIT 290 - Network Administration Internship

The internship is a credit-worthy work opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom knowledge through practical application. You must earn a total of 3 internship credits. To earn one credit, an intern must satisfactorily complete a minimum of 45 hours on the job.

Prerequisite(s): Students may intern after earning at least two-thirds of their program credits and a 2.0 grade point average. All students must apply to intern during the semester prior to the semester in which they plan to earn the internship credits.

3 credits (135+ hours)

CIT 292 - Network Security

Network Security is a hands-on, career-oriented learning solution with an emphasis on practical experience to help students develop specialized security skills to advance their careers. The curriculum provides an introduction to the core security concepts and skills needed for the installation, troubleshooting, and monitoring of network devices to maintain the integrity, confidentiality, and availability of data and devices. It will also help prepare students for entry-level security career opportunities.

Prerequisite(s): CIT194 Networking Basics if in the Wide Area Network program or CIT132 Local Area Networks if in the Network Administration program

3 credits

CIT 293 - Wireshark Network Analysis

Wireshark, a network analyzer, is the de facto industry standard open source product for network troubleshooting, analysis, and security. The curriculum provides in-depth training in using this powerful tool to find network performance issues and identify security breaches. It will also help prepare students for entry-level security career opportunities and prepare them for the Wireshark Certified Network Analyst Exam. This certification exam is certified by the Department of Defense which will also provide opportunities for employment in various government organizations in information technology. Students should have basic computer technology and networking knowledge to be successful in this course.

Prerequisite(s): CIT132 Local Area Networks or CIT194 Network Basics or at least 2 years' prior experience in computer networking / technology

4 Credits

CIT 294 - Ethical Hacking

The need for security against attackers who compromise networks is growing every day. There is a real need for security professionals who are able to conduct test attacks on their network as a way to discover vulnerabilities before attackers do. The Ethical Hackers course is a hands-on course to help students develop these skills. The course will also help you to build the skills of creativity and critical thinking which will be necessary to think like a "hacker". The newest tools and techniques used to find any vulnerability and exploit in a network will also be introduced in the course, as well as web filtering, Intrusion Protection Systems, and virtualization. This course will prepare students to get certified as an Ethical Hacker by readying them for the EC-Council Certified Ethical Hacker exam 312-50. Students should have basic computer technology and networking knowledge to be successful in this course.

Prerequisite(s): CIT132 Local Area Networks or CIT194 Network Basics or at least 2 years' prior experience in computer networking / technology.

3 Credits

CIT 296 - Routing Technologies

This course focuses on the basics of router configuration. Students will become knowledgeable of the various components of a router and their functions; configure routers via the CISCO IOS for IP addressing, RIP and IGRP etc. as well as learn and implement router troubleshooting methods. This course is the second course in a four course series offered in partnership with CISCO Systems Inc.

Prerequisite(s): CIT 194 Networking Basics/CISCO I

5 credits

CIT 297 - Switching Technologies

This course focuses on the basics of switching and switch configuration. The major topics in this class are switching technologies; configuring switches for IP, IP access lists; configuring switches for Ethernet networks; configuring VLAN's, advanced LAN and LAN switched design as well as advanced coverage on router configuration. This course is the third course in a four-course series offered in partnership with CISCO Systems, Inc.

Prerequisite(s): CIT296 Routing Technologies

5 credits

CIT 298 - WAN Technologies

This course focuses on the theory and design of wide area networks (WANs). The major topics covered in this course are WAN theory and design; WAN technologies such as PPP, Frame relay, and ISDN; and network troubleshooting. This is the final course offered in partnership with CISCO Systems Inc. Students successfully taking the four-course series offered through his partnership should be well prepared to pass the CCNA exam, which is a highly regarded certification in the telecommunications industry.

Prerequisite(s): CIT297 Switching Technologies

5 credits

Computer Science

CSC 101 - Introduction to Computer Science

This course provides an introduction to the field of computer science. Topics to be covered include: basics of computer architecture and organization, digital logic and data representation, algorithm analysis and design, programming languages, and software engineering.

Prerequisite(s): ENG 020 Introduction to Composition, ICR 031 Critical College Reading, & MAT 041 Pre-Algebra; or by placement exams.

Corequisite(s): CSC 125 Introduction to Programming

3 credits

CSC 125 - Introduction to Programming

This course introduces the student to the process of creating algorithms for the solution of problems using a computer. Problem solving structures will first be presented independent of programming language. Concepts, including variables, assignment statements, conditionals, loops, functions, and arrays are explored.

Visual Basic and its integrated development environment will then be used to illustrate how the programming logic is used to create an actual program.

Prerequisite(s): ENG 020 Introduction to Composition, ICR 031 Critical College Reading, & MAT 041 Pre-Algebra; or by placement exams.

Corequisite(s): CSC 100 Introduction to Computer Science

3 credits

CSC 205 - Problem Solving with Computer Programming

This course will explore the design of algorithmic solutions to problems and solution implementation by the development of computer programs. Common programming structures are used to introduce variables, assignment statements, selection, repetition, and functions. A basic introduction to object oriented design is presented.

Prerequisite(s): CSC 125 Introduction to Programming

3 credits

CSC 210 - Applied Advanced Programming

This course will provide an in-depth exploration of Object Oriented Programming, as well as advanced concepts in programming. Included are the topics of: classes and subclasses, encapsulation, inheritance, polymorphism, event handling, exception handling, and garbage collection.

Prerequisite(s): CSC 205 Problem Solving with Computer Programming

3 credits

CSC 215 - Data Structures

This course will cover recursion, linked lists, stacks, queues, hashing, graphs, and trees, as well as strategies for choosing the right data structure. Also presented will be: divide-and-conquer strategies, sorting algorithms, and analysis of algorithms.

Prerequisite(s): CSC 210 Applied Advanced Programming Concepts and MAT 203 Foundations of Higher Mathematics

3 credits

CSC 220 - Computer Organization and Architecture

This course will explore computer organization and architecture. Topics covered will include: computer architecture, computer organization, number systems, storage concepts, I/O, memory management, and process management. Assembly language will be used.

Prerequisite(s): CSC 101 Introduction to Computer Science and CSC 210 Applied Advanced Programming Concepts

4 credits

Criminal Justice

CRJ 100 - Corrections

Provides students with a basic understanding of the structure and operations of correctional systems, the evolutionary and political development of corrections, and the goals of corrections in contemporary society. It takes students from an examination of the role of corrections in society's attempt to control crime to an in-depth look at two of the most pressing problems in U.S. corrections today: overcrowding and financial problems.

3 credits

CRJ 110 - Introduction to Criminal Justice

This course introduces students to the criminal justice system and its three main components: law enforcement, the courts, and corrections. It reviews what constitutes a criminal offense, how crime is measured, and theories of crime causation. This course also looks at issues and challenges facing the criminal justice system and examines possible future directions. Topics examined include the history of crime and criminal justice; the justice system; biological, psychological, and sociological theories of crime; emerging trends in criminal justice including multiculturalism and diversity in criminal justice; the role of research in criminal justice.

3 credits

CRJ 115 - Ethics in Criminal Justice

The focus of this competency is to provide students with an overview of prominent ethical issues facing professionals in criminology and criminal justice, with an emphasis on encouraging individual students to explore their own ethical and moral systems and how they make ethical/moral decisions.

3 credits

CRJ 150 - Juvenile Justice

This course gives students an overview of American juvenile justice, in terms of both system and practice. It examines the juvenile offender, causes of juvenile crime, the juvenile court system, and juveniles in the adult court system. This course also looks at institutionalization, rehabilitation, the treatment of juveniles, and the future of juvenile justice in America. Topics examined include the history of juvenile justice in the United States; the history and impact of technology in juvenile justice; the juvenile justice system including juvenile court, adult court, and international juvenile justice; treatment of juvenile offenders relating to community-based programs, institutionalization and treatment technologies.

3 credits

CRJ 210 - Probation and Parole

Parole and Probation examines the processes involved in parole and probation for criminally convicted adults and juveniles and the fundamental concepts, theory, and nature of probation and parole with emphasis on the organizations, policies, and practices of federal, state, and county systems. The goal of the course is for student to deepen their understanding of the philosophies through examination of the history in the United States, the current community programs, various classes of offenders, and the role of the probation and parole officer including their relationship with offender clients.

Prerequisite(s): CRJ 110 - Introduction to Criminal Justice

3 credits

CRJ 212 - Special Topics in Criminal Justice

This course is a focused examination of emerging and dynamic problems or issues facing law enforcement, the judicial system and the correction's system. The course will examine how the selected special topics affect each of these three components of the criminal justice system. This course will cover specific subject matter in depth that was only covered cursorily in lower level criminal justice courses as well as subject matter not ordinarily covered in the existing curricula. Examples include, but are not limited to, alternative punishment schemes, emerging patterns of violence, organized crime, white-collar crime, cyber-crime, corruption in the criminal justice system, euthanasia and mercy killing, victimology and victim services, civil disobedience and the rule of law, women and minorities in the justice system, child abuse, sex-trafficking, insanity pleas, Homeland Security and terrorism, death penalty, prison overcrowding and community corrections, serial killers and mass murderers, etc.

Prerequisite(s): CRJ 110

3 credits

CRJ 215 - Criminal Law and Procedure

The focus of this competency is to examine the historical background, the traditions, and the legal principles that underlie the Courts as an integral component of the American system of Criminal Justice. Both differences and similarities inherent within the State and Federal Court processes will be analyzed, and the procedures through which the criminal courts uphold the basic rights and liberties of all U.S. citizens, both victims and the accused, will be explored. A primary focus will be placed upon understanding the respective roles played by Judges, Prosecuting Attorneys, Defense Counsel, Police, and Probation Officers and other Court-related personnel in the criminal court process.

Prerequisite(s): CRJ 110 - Introduction to Criminal Justice

3 credits

CRJ 225 - Criminological Theory

The focus of this competency is to provide students with an understanding of the discipline of criminology through an examination of its theories, basic assumptions and definitions.

Prerequisite(s): CRJ 110 – Introduction to Criminal Justice

3 credits

CRJ 235 - Criminal Investigation and Policing

The focus of this competency is to introduce students to the history, function, and role of law enforcement in American society. The multi-dimensional work of policing is emphasized. Practical and critical approaches to law enforcement are undertaken to explore prevailing and dissenting perspectives issues in contemporary policing. This course provides an in-depth examination of one of the three cornerstones of traditional policing, criminal investigation. Topics include physical evidence, information sources, interviews and interrogations, eyewitness identifications, crime scene reconstruction, homicide investigations, burglaries, robberies, sex crime investigations, specialized investigations, and managing criminal investigations.

Prerequisite(s): CRJ 110 - Introduction to Criminal Justice

3 credits

CRJ 260 - Deviance & Victimology

This course introduces students to the study of deviance and victimology within criminal justice. This course also examines the theories and research of deviance (including white collar/corporate crime, sex crimes, gangs, abductions, racism, child abuse, etc.) and victimology (the scientific study of victimization, including the relationships between victims and offenders, the interactions between victims and the criminal justice system (law enforcement, victim services, courts, and corrections). Finally, an examination of actual court cases will assist in illustrating social policy as it relates to criminology: research used in criminology; typologies such as violent crime; crimes against individuals; and victim-centered responses.

Prerequisite(s): CRJ 110, SOC 100, and PSY 100

3 credits

CRJ 295 - Criminal Justice Internship

The internship is the field experience for students majoring in Criminal Justice, and utilizes a concurrent model of field education. This model affords students the opportunity to simultaneously practice in the field and uses seminars as a forum to improve their service skills and enhance their team building skills. Students coordinate their internship experience with the faculty internship advisor and the site supervisor at the location of the field experience. The internship is designed to enable the student to experience increasing levels of responsibility within the fieldwork facility. The field experience is a minimum of 150 hours on site, along attendance at regularly scheduled internship seminar meetings. Students may intern at their work site with approval from the faculty internship advisor or may choose an internship position available in the community. Student is responsible for presenting approved current ACT 34 Child Abuse Clearance and ACT 151 PA Criminal Background Record prior to beginning approved internship.

Prerequisite(s): Completion of minimum of 45 credits and CRJ 110

3 credits

Early Childhood Management and Leadership

ECD 281 - Leadership in Early Childhood Programs/Inclusion

This course will introduce center-based and family child care professionals to examine, explore and practice leadership roles within an early childhood organization. The course is designed for directors of both for-profit and non-profit child care centers who are seeking the Pennsylvania Early Learning Keys to Quality Core Director's Certificate. Participants will build existing leadership skills and learn new skills from classic to innovating team building approaches. Students walk-through a typical director day, examine opportunities and threats and reflect on ways in which a leadership perspective could improve, avoid, or abate the outcome. Participants are expected to implement the learning objectives and document their competency through a cumulative course portfolio, including a center or family based action plan for improvement based upon the PA STARS criteria.

Note(s): This course is part of the Core Director's Certificate Program approved by the Pennsylvania Early Learning Keys to Quality program. Students may register only if they meet the overall certificate program requirements or by special permission of the Program Coordinator or the Associate Dean of Instruction.

3 credits

ECD 282 - Child Care Administration II/Inclusion

The course is designed for directors of both for-profit and non-profit child care centers who are seeking the Pennsylvania Early Learning Keys to Quality Core Director's Certificate. The course examines the management and supervision of early childhood programs that serve children from infancy through age eight within the framework of planning, implementing, and evaluating programs through established standards (NAEYC). A student applies vision and mission statements in order to assess program, staff welfare, and community response. Topics include child development, program structures, curriculum, and environmental design for effective but transparent management. A student focuses upon leading and managing staff through positive facilitation, motivation, and morale; operational requirements, and quality improvement through networking with agencies and associations; communication tools; and demonstrated professionalism. Grant writing is explored as one means of continuing support for growth. Participants are expected to implement the learning objectives and document their competency through a course portfolio.

Note(s): This course is part of the Core Director's Certificate Program approved by the Pennsylvania Early Learning Keys to Quality program. Students may register only if they meet the overall certificate program requirements or by special permission of the Program Coordinator or the Associate Dean of Instruction.
3 credits

ECD 283 - Business Management in Early Childhood Programs

The course is designed for directors of both for-profit and non-profit child care centers who are seeking the Pennsylvania Early Learning Keys to Quality Core Director's Certificate. This course introduces center-based and family child care professionals to practical business management and explores a variety of topics such as budgeting and financial management. Participants build existing business management skills, explore new skills and management applications, and build a network of peers for support. The course is designed to give participants the opportunity for practical application of their learning through assignments, action groups, and budget oriented action plans.

Note(s): This course is part of the Core Director's Certificate Program approved by the Pennsylvania Early Learning Keys to Quality program. Students may register only if they meet the overall certificate program requirements or by special permission of the Program Coordinator or the Associate Dean of Instruction.
3 credits

Early Childhood Education

ECE 101 - Introduction to Early Childhood Education

Principles of Early Childhood Education is an introduction to current state of early childhood education in the United States. This course introduces the National Association for the Education of Young Children (NAEYC) Standards for Early Childhood Professional Preparation and Pennsylvania State Standards for Education. Students will begin the development of a professional portfolio and Pennsylvania Early Learning Professional Development Record in this class. This course will cover the foundations of curriculum, materials, and instruction of early childhood education.

3 credits

ECE 110 - Child Development

This course focuses on child development from conception to age nine with an emphasis on the infant/preschool child through middle childhood. The course studies the physical, cognitive, and personality-social aspects of development, both through normal and atypical circumstances. Small group projects, child observations, investigation, and discussion of issues related to scientific principles of development are examined. Students will explore children's software and use the Internet to locate information relevant to the further study of child development and developmentally appropriate practice. The National Association for the Education of Young Children (NAEYC) standards, the Pennsylvania Early Learning standards (ELS), and the Council for Exceptional Children standards (CEC) are used throughout the course. Students should obtain the following clearances while taking this course: Acts 34, 114, & 151.

3 credits

ECE 140 - Early Childhood Environments

This course explores methods for planning, facilitating, and assessing developmentally appropriate activities and environments designed to enhance typical and atypical children's cognitive, social, emotional, physical, and creative development in different program models. The course includes developing an awareness of and appreciation for diversity and use of anti-bias in materials. Students also will learn to apply the Pennsylvania Early Learning Standards (ELS) and the Pennsylvania Special Education Early Learning Standards (SELS) PA PreK-4th grade teacher competencies to the creation of developmentally supportive environments. Students are introduced to lesson, unit, and thematic planning, teaching strategies and curriculum development. Students complete observations

and small group activities in Stars 3 or 4 centers, or public schools. Students should obtain the following clearances while taking this course: Acts 34, 114, & 151.
3 credits

ECE 198 - Early Childhood Education Practicum I

Students engaged in early childhood degree programs understand that child observation, documentation, and other forms of assessment are central to the practice of all early childhood professionals. In this course, the students will be able to use systematic observations, documentation and other assessment in the education and development of the young child, birth to pre-kindergarten. Students will observe, participate, reflect and write about their learning in this early childhood setting.

Prerequisite(s): ECE 101- Introduction to Early Childhood Education and ECE 110 - Child Development, Acts, 34, 144, & 151 are required for this course.
1 credit

ECE 205 - Emerging Literacy

This course focuses on the development of literacy processes for all children birth through 4th grade, emphasizing typically developing children, but also addressing atypically developing children. Students review current literacy research; explore the implications of research for teaching practices; and examine approaches to planning, implementing, and evaluating engaging literacy experiences that build on the knowledge, skills, and dispositions that children bring to the classroom. Students are expected to participate in a community/school based preservice experience observation and hands-on activities in qualified child care centers and K-4th public grade schools. This course is part of the PDE field experience requirement.

Prerequisite(s): Acts 34, 114, & 151 Clearances, ECE110 Child Development.
3 credits

ECE 211 - Teaching Science for Early Childhood

Science is a fundamental aspect of inquiry based learning in early childhood education. This course will allow the learning, teaching and assessing of basic science concepts and applications from PreK to 4th grade in early education environments. Students will utilize the Pennsylvania Early Learning and Academic Standards and Assessment Anchors to emphasize cooperative learning, self-assessment, and hands-on science. Students will also apply the methods of teaching, learning, and assessing in pre-service experience in pre-school, public or private education centers.

Prerequisite(s): ECE 110 Child Development; Acts 34, 114, and 151 are required for this course.
3 credits

ECE 215 - Teaching: Integrating Curriculum through Creative Expression

Creative Expression involves all of the elements of developmental and environmental interaction for PreK-4th grade children in regular, inclusive, and diverse settings. Students in the course learn how to design and apply developmentally appropriate practice and academic rigor within the curriculum, incorporating Early Learning and Academic Standards, and Assessment Anchors in structured lessons plans. Students complete observations and small group activities in Stars 3 or 4 centers, or public schools. This course is part of the PDE field experience requirement.

Prerequisite(s): Acts 34, 114, and 151
3 credits

ECE 225 - Health, Safety and Nutrition for the Young Child

This course is intended for pre-service students, new and experienced early education teachers, parents, and colleagues in any role that touches children's lives. Three major topical areas are addressed: children's health, safety, and nutrition (basic and applied). The course focuses on the relationships that exist between health status, safety, nutrition, and social and environmental factors. Students will explore influences of poverty, inequality of medical care, and access to good nutrition. Participants will explore methods for managing children's health, safety and nutrition and approaches through which young children can become informed about their own health and begin to take responsibility for their well-being. Participants also will be encouraged to work to improve social conditions affecting children's health and welfare.

3 credits

ECE 250 - Children, Families, and Community

This course explores parent/guardian involvement and the relationship between homes, schools, and communities. Content is organized around how the home, family, school, and community all influence the growth, development, and education of younger children. Students will learn how schools relate to parents and will acquire knowledge and skills to implement quality parent involvement programs. The course goal is to demonstrate the qualities of effective partnerships between schools, homes, and agencies. Students complete observations and small group activities in Stars 3 or 4 centers, or public schools. This course is part of the PDE field experience requirement.

Prerequisite(s): ACTs 34,114, & 151; health and tuberculosis reports

3 credits

ECE 290 - Observation and Assessment in Early Childhood/Inclusion

This course is a comprehensive review of assessment theory, practice, and tools used to effectively assess a child's level of achievement and prepare educational strategies to engage the child at the next level of competence. Assessment is viewed as an ongoing process developmentally effective process rather than an ending to an educational experience. This course provides the most current research and practical guides to integrate authentic assessment with effective teaching, including the study of PA mandated assessments for PreK through Kindergarten. An introduction to assessments used in 1-4th grade is presented. The course will use material and pre-service experience to interpret and use assessment information once it has been collected. The course is developed around the constructivist approach, recognizing and adapting assessment techniques to accommodate cultural and individual differences. Students learn how to adapt the learning environment for special needs students. This course is part of the Pennsylvania Department of Education (PDE) field experience requirement. This course is a comprehensive review of assessment theory, practice, and tools used to effectively assess a child's level of achievement and prepare educational strategies to engage the child at the next level of competence. Assessment is viewed as an ongoing process developmentally effective process rather than an ending to an educational experience. This course provides the most current research and practical guides to integrate authentic assessment with effective teaching, including the study of PA mandated assessments for PreK through Kindergarten. An introduction to assessments used in 1-4th grade is presented. The course will use material and pre-service experience to interpret and use assessment information once it has been collected. The course is developed around the constructivist approach, recognizing and adapting assessment techniques to accommodate cultural and individual differences. Students learn how to adapt the learning environment for special needs students. This course is part of the PDE 150 hours PA field experience requirement.

Prerequisite(s): ECE 211 Teaching Science for Early Childhood; ECE 215 Teaching: Integrating Curriculum through Creative Expression; ACTs 34,114, & 151; health and tuberculosis reports.

3 credits

ECE 295 - Capstone Seminar in Early Childhood Education

This course is the culminating seminar devoted to analyzing and synthesizing knowledge and skills gained through the student's prior coursework in early childhood education. The seminar's requirements include: preparation of a final research and reflective paper that incorporates teaching philosophies, research, teaching, and learning practice and final presentation of the graduation portfolio.

Prerequisite(s): Completion of 21 credits in ECE; ACTs 34,114, & 151; health and tuberculosis reports

1 credit

Economics

ECO 100 - Macroeconomics

The course is designed to introduce the student to the basic principles of economics with an emphasis on macroeconomic theory, policy and analysis. The major topics for the course include the scope and nature of economics, ideology and structure of the American economy, supply and demand, production and opportunity cost, efficiency, gross domestic product, business cycles and unemployment, inflation, history of economic thought, federal deficits and national debt, and monetary policy.

3 credits

ECO 110 - Microeconomics

This course is designed to introduce students to basic principles of microeconomics theory and analysis. The major topics of the course include the scope and nature of economics, price elasticity of demand and supply, consumer choice theory, production costs, market structures, labor markets, income distribution, poverty and discrimination, antitrust regulation, environmental economics, international trade and finance, comparative economic systems, and growth in less developed countries.

3 credits

Education

EDU 120 - Technology for Teaching/Inclusion

This course is designed to prepare future and current teachers to select, use, modify, design, and integrate instructional and assistive technologies in the classroom. A practicum experience of one credit hour is included to provide learning of instructional technology enhancements such as e-mail, PowerPoint, web, database, spreadsheets, software, scanner, digital camera, and more. These technology enhancements serve as an integral part of lesson development based on the National Education Technology Standards (NETS).

Prerequisite(s): CIT 100 Microcomputer Applications

3 credits

EDU 225 - Teaching English Language Learners

Under the No Child Left Behind Act (NCLB) as well as Pennsylvania law, all teachers in all areas of certification in public and charter schools are required to have specific knowledge for teaching English Language Learners (ELLs) and understanding ELL programs, enabling teachers to provide accommodations and adaptations to all educational programs for ELLs in Kindergarten through grade 12. This course will demonstrate the application of classroom tools, techniques and methods for teaching linguistically and culturally diverse students at all levels of English language proficiency in the content areas of education.

Prerequisite(s): ECE 110

3 credits

EDU 230 - Children with Special Needs

Educators in grades preK-12 are required to provide services for any student who is assessed and determined by the special education committee to have one or more of the thirteen classifications of a disability or who is categorized as gifted or talented. Any teacher who has a student with an IEP must not only read and sign the Individualized Education Plan (IEP), but must provide for support of the goals and objectives of the IEP in the classroom. This course will include learning to accommodate special education students in the classroom, as well as best practices for teaching students with different types of disabilities.

Prerequisite(s): ECE 110

3 credits

EDU 240 - Field Experience in Education

Students receive direct experience with teaching through supervised field placement in an elementary or secondary school setting. Lectures and classroom teaching experiences are combined to allow students the opportunity of applying skills in observation, interaction, and professional behavior.

Prerequisite(s): EDU120 Technology for Teaching/Inclusion, PSY 155 Psychology of Thinking and Learning and 45 earned credits

3 credits

EDU 296 - PRAXIS I Exam Preparation

PRAXIS I Preparation is a one credit hour course designed to give students interested in teacher education an orientation to the program, as well as an opportunity to apply knowledge and skills which prepare them for the PRAXIS I (Pre- Professional Skills Tests [PPST]/Computer-Based Tests [CBT]). Students will achieve competencies through module completion on each of the competency areas included in the PRAXIS I exam.

1 credit

Electronics Technology

ELT 220 - Material, Safety and Equipment Overview for Nanofabrication

This course provides an overview of the materials, safety and equipment issues encountered in the practice of "top down" and "bottom up" nanofabrication. It focuses on safety, environmental and health issues in equipment operation and materials handling as well as on clean-room protocol. Topics to be covered include: clean-room operation, OSHA lab standard safety training, health issues, Biosafety Levels (BSL) guidelines, and environmental concerns. Safety issues dealing with nanofabrication equipment, materials, and processing will also be discussed including those pertinent to biological materials, wet benches, thermal processing tools, plasma based equipment, stamping and embossing lithography tools, vacuum systems and pumps, gas delivery systems and toxic substance handling and detection. Specific material handling procedures to be discussed will include corrosive, flammable, and toxic materials, biological materials, carcinogenic materials, DI water, solvents, cleaners, photo resists, developers, metals, acids, and bases. The course will also concentrate on safe equipment maintenance and operation. Students will be given an overview of basic nanofabrication materials, equipment and equipment operation. This technical overview and operational introduction to processing equipment and characterization tools will include: chemical processing, furnaces, vacuum based processing (physical vapor deposition equipment, chemical vapor deposition equipment, and dry etching equipment), and lithography as well as scanning probe microscopy (e.g., atomic force microscopy), optical microscope, electron microscopy (e.g., scanning electron microscopy), ellipsometer, nanospec, and profilometer equipment.

3 credits

ELT 221 - Basic Nanofabrication Processes

This course is the hands-on introduction to the processing involved in "top down", "bottom up", and hybrid nanofabrication. The majority of the course details a step-by-step description of the equipment, facilities processes and process flow needed to fabricate devices and structures. Students learn to appreciate processing and manufacturing concerns including process control, contamination, yield, and processing interaction. The students design process flows for micro- and nano-scale systems. Students learn the similarities and differences in "top down" and "bottom up" equipment and process flows by undertaking hands-on processing. This hands-on exposure covers basic nanofabrication processes including colloidal chemistry, self-assembly, catalyzed nanoparticle growth, lithography, wet and dry etching, physical vapor deposition, and chemical vapor deposition.

3 credits

ELT 222 - Materials in Nanotechnology

This course is an in-depth, hands-on exposure to materials fabrication approaches used in nanofabrication. Students learn that these processes can be guided by chemical or physical means or by some combination of these. Hands-on exposure will include self-assembly; colloidal chemistry; atmosphere, low-pressure and plasma enhanced chemical vapor deposition; sputtering; thermal and electron beam evaporation; nebulization and spin-on techniques. This course is designed to give students hands-on experience in depositing, fabricating and self-assembling a wide variety of materials tailored for their mechanical, electrical, optical, magnetic, and biological properties.

3 credits

ELT 223 - Lithography for Nanofabrication

This course is a hands-on treatment of all aspects of advanced pattern transfer and pattern transfer equipment including probe techniques; stamping and embossing; e-beam; and optical contact and stepper systems. The course is divided into five major sections. The first section is an overview of all pattern generation processes covering aspects from substrate preparation to tool operation. The second section concentrates on photolithography and examines such topics as mask template, and mold generation. Chemical makeup of resists will be discussed including polymers, solvents, sensitizers, and additives. The role of dyes and antireflective coatings will be discussed. In addition, critical dimension (CD) control and profile control of resists will be investigated. The third section will discuss the particle beam lithographic techniques such as e-beam lithography. The fourth section covers probe pattern generation and the fifth section explores embossing lithography, step-and-flash, stamp lithography, and self assembled lithography.

3 credits

ELT 224 - Materials Modification in Nanofabrication

This course will cover in detail the processing techniques and specialty hardware used in modifying properties in nanofabrication. Material modification steps to be covered will include etching, functionalization, alloying, stress control and doping. Avoiding unintentional materials modification will also be covered including such topics as use of diffusion barriers, encapsulation, electromigration control, corrosion control, wettability, stress control, and adhesion. Hands-on materials modification and subsequent characterization will be undertaken.

3 credits

ELT 225 - Characterization, Testing of Nanofabricated Structures and Materials

This course examines a variety of techniques and measurements essential for testing and for controlling material fabrication and final device performance. Characterization includes electrical, optical, physical, and chemical approaches. The characterization experience will include hands-on use of tools such as the Atomic Force Microscope (AFM), Scanning Electron Microscope (SEM), fluorescence microscopes, and fourier transform infrared spectroscopy.

3 credits

English

ENG 010 - Basic English

ENG 010 is an intensive review of English grammar, punctuation, and fundamental sentence skills. Successful completion of the course will allow the student to enroll in Introduction to Composition (ENG 020). This college-preparatory course does not count toward graduation or toward GPA calculations, and it is not generally transferable to other institutions.

3 institutional credits

ENG 020 - Introduction to Composition

Designed to prepare students for ENG 110, ENG 020 emphasizes fundamental composition skills, in addition to reviewing grammar and punctuation. Through frequent writing assignments, sentence drills, readings, and class discussion, students develop basic skills in paragraph and essay writing. ENG 020 does not count toward graduation, does not earn college credit, and does not count in GPA calculations.

Prerequisite(s): ENG010 or by placement exam

3 institutional credits

ENG 110 - English Composition I**

This course emphasizes the techniques of writing expository essays with stress upon careful thinking, word choice, sentence structure, thesis statement, and methods of organization. Students practice the writing of clear, coherent, and unified paragraphs and essays. Editing skills and the use of correct grammar and mechanics are also emphasized. Students are taught research and documentation skills and are required to write an argumentative research paper. This is the standard college English composition course.

Prerequisite(s): ENG020 Introduction to Composition or by placement exam

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

ENG 200 - English Composition II/Studies in Literature**

Studies in Literature emphasizes the study of literary terms and techniques frequently used in literature. This course introduces students to major themes found in short stories, poetry, and drama. Students are required to read various genres of literature, respond to their readings in well-developed essays, and participate in class discussions. This is a standard college-level introductory literature course.

Prerequisite(s): ENG110 English Composition I

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

ENG 205 - Research Writing

This course emphasizes the skills involved in doing research in various fields and writing about the results. The basic skills of summary, paraphrase, and quotation and the writing of accurate and balanced summaries of articles are taught. Critical thinking and the writing of critiques are emphasized, as is the ability to create a well-thought-out synthesis of multiple sources. Information-gathering skills are also stressed. Finally, the student will research and write a lengthy research project.

Prerequisite(s): ENG110 English Composition I

3 credits

ENG 215 - Creative Writing

Creative Writing reviews various writing styles and methods. Students study these methods by analyzing published works and student examples. Students are expected to produce original, insightful works using accurate grammar, punctuation, spelling, and style conventions. Proofreading, revising, and peer editing skills are taught. This is a standard college creative writing course.

Prerequisite(s): ENG110 English Composition I

3 credits

ENG 220 - Business Letter and Report Writing

The strategies and techniques of writing letters, memos, and reports are emphasized for situations that arise in business. Business communication skills are developed and refined through assignments that include the writing of positive letters, negative letters, and other business messages. For greater development of these skills, a business report and an oral report are assigned to apply principles for writing analytical or informational reports. This is a required course for some majors.

Prerequisite(s): ENG110 English Composition I

3 credits

ENG 225 - Technical Writing

This course stresses the application of skills central to all types of communication that technical personnel are called upon to write. The course involves training in the writing of definitions, descriptions, instructions, proposals, reports, and other technical documents. For greater development of these skills, a formal report is assigned to apply principles for writing reports that are unique to technical professions.

Prerequisite(s): ENG110 English Composition I

3 credits

ENG 230 - Survey of American Literature I

This course surveys American literature from the pre-colonial period to the Civil War. The roots of the American experience and the major currents in American thought are discussed. Significant works of American writers, traditional and non-traditional, are studied for their literary value and in their historical and philosophical contexts.

Prerequisite(s): ENG110 English Composition I

3 credits

ENG 235 - Survey of American Literature II

This course surveys American literature from the Civil War to the present. Significant works of American writers, traditional and non-traditional, are studied for their literary value and in their historical and philosophical contexts.

Prerequisite(s): ENG110 English Composition I

3 credits

ENG 240 - Survey of British Literature I

This course begins with the roots of the English language and of English literature, including the epic Beowulf and the works of Chaucer and other Middle English authors. Shakespeare and other authors of the Early Modern era are studied, in addition to significant authors through the eighteenth century. The student will learn to enjoy and appreciate the literary and cultural heritage of the English language in its historical and philosophical contexts.

Prerequisite(s): ENG110 English Composition I

3 credits

ENG 245 - Survey of British Literature II

This course surveys British literature from the Romantic period to the present. The course begins with the origins of the Romantic Movement in the late eighteenth century. The impact of the Industrial Revolution and the social and cultural developments of the nineteenth century provide the context of the Victorian era. The rapid cultural and philosophical changes of the twentieth century and their impact on British writers are also discussed. The student's enjoyment of significant and influential works of British writers, traditional and nontraditional, is enhanced by understanding of the cultural, historical, and philosophical context of these works.

Prerequisite(s): ENG110 English Composition I

3 credits

ENG 250 - Women and Literature

This course is designed to introduce students to writing by women in various genres including poetry, fiction, and autobiography. Students will also consider how social class, race, ethnicity, historical time period, and other factors influence women writers.

Prerequisite(s): ENG 110 English Composition I

3 credits

ENG 255 - Literature for Children and Adolescents

This course explores the various forms and genres of literature for children and adolescents. Topics include the history of literature for children, literary and artistic quality, contemporary issues (including multiculturalism and censorship), and techniques for using children's literature in the early childhood, elementary, and middle-grade classroom. Students will be encouraged to read widely and to explore a variety of works.

Prerequisite(s): ENG 110 - English Composition I

3 credits

ENG 260 - Monsters in Literature

This course will introduce the student to an array of monsters found in classic literature. This course will also explore what makes a monster a monster, how they change or stay the same in different historical periods and genres, and how monsters provide insight into the fears and challenges of humankind.

Prerequisite(s): ENG 110 - English Composition I

3 credits

ENG 271 - World Literature

This course introduces students to Western and non-Western masterworks in translation, across multiple cultures and eras, focusing on works of seminal cultural significance. Works will be read in their literary, historical, philosophical, and cultural context to give a sense of the variety and diversity of the human experience as revealed in literature.

Prerequisite(s): ENG110 English Composition I

3 credits

Environmental Science

ENV 110 - Introductory Environmental Science

This introductory course in environmental science takes students through the fundamental environmental health topics, such as: energy; ecology; epidemiology; risk assessment and management; environmental law; air quality management; vector control; occupational safety and health; water treatment; and solid and hazardous waste disposal. It will introduce students to the profession by providing a solid working knowledge of the fundamental environmental science topics, and will serve those students who plan to pursue advanced environmental degrees including environmental science, environmental engineering or occupational health and safety, as well as those that wish to advance their career in the field of environmental health and safety.

3 credits

Film

FLM 110 - Introduction to American Cinema

The course is a thematic and historical study of American cinema. It introduces the history, technology, vocabulary, fundamentals, symbolism and realism of American filmmaking. In addition, specific genres of American films will be viewed and discussed.

3 credits

First Year Experience

FYE 100 - First Year Experience

The First Year Experience is designed to help first-year students adjust to the college, develop a better understanding of the learning process, and acquire essential academic success skills. The course provides a general orientation to the functions and resources of Pennsylvania Highlands and also provides a support group for students transitioning to college by examining problems common to the first-year experience. Attaining an appropriate balance between personal freedom and social responsibility underlies all activities.

1 credit

French

FRE 101 - French I

This course studies the foundations of French, including pronunciation, basic vocabulary, writing, and target language culture.

3 credits

FRE 102 - French II

This course continues building foundations of French, including pronunciation, basic vocabulary, writing and target language culture.

Prerequisite(s): FRE 101 French I or by placement

3 credits

Geography

GEO 100 - Introduction to Geography

This course offers an introduction to basic concepts necessary to study and understand the discipline of geography. Using the four major geography research traditions as a basis, students are introduced to the study of the world around them through topics such as landforms, weather and climate, political and economic geography and regional geography.

3 credits

GEO 110 - World Regional Geography

This course offers the exploration of the world through the regional approach. Students will examine the physical, cultural and locational aspects of the realms that make up the world in geographic study. Each realm will be explored through landmass, culture, religion, economics, political organization, and climate, as well as other topics.

3 credits

Geology

GLG 100 - Introduction to Geology

Introduction to Geology will explore the fundamental concepts of physical geology and related subjects including plate tectonics, earth materials, igneous processes, igneous processes and volcanism, sedimentation, deformation and metamorphism, geologic time, Earth's history, climate and glaciations, the hydrologic cycle, shaping the Earth's surface, seismic events and Earth structure. Laboratory exercises will support and provide hands-on experience with lecture subjects.

4 credits

Government

GOV 100 - Introduction to American National Government**

This course introduces the institutions and processes of American national government. The course examines the evolution of the principles, form, and operation of the national government system with special emphasis on constitutional issues; voting behavior; public opinion; the party system; the Executive, Legislative, and Judicial branches of American national government.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

GOV 210 - Current Events and Contemporary Issues

This course will focus on events and issues that face the state, country and world today. Particular attention will be placed on newsworthy events and issues on a weekly basis involving both foreign and domestic policy. They will be put in historical perspective so that students can understand the background that led up to the present action or interpretation. In addition, the ramifications, repercussions and impact of those events and issues will be discussed in a "what if" format.

3 credits

German

GER 101 - Elementary German I

This course studies the foundations of German, including pronunciation, basic vocabulary, writing and target language culture.

3 credits

GER 102 - Elementary German II

This course continues building foundations of German, including pronunciation, basic vocabulary, writing and target language culture.

Prerequisite(s): GER101 Elementary German I or by placement

3 credits

Health and Wellness

LIF 111 - Health and Wellness

Healthy lifestyle behaviors contribute to wellness throughout the life cycle. This is a health science course that explores variables related to achieving a longer and healthier life. This course discusses how informed personal choices in regards to behavior, exercise, and food intake can promote health and wellness. This course looks at personal behavior choices in regard to various health disorders, such as chronic disease, sexually transmitted disease, eating disorders, alcohol and drug abuse, allergies and food intolerances. The goal is for students to use this new knowledge to make informed choices in everyday life.

3 credits

LIF 130 - Biohazard Seminar

The nature of working with people, either on a continuing or incidental basis, always poses the potential for exposure to infectious blood and other bodily fluids. OSHA regulations require that workers with potential exposure receive and maintain annual training on bloodborne and other pathogens. This course serves as the initial training for students seeking careers in the human service and health sectors as well as training for workers who need to maintain or upgrade their knowledge in the area of personal protective equipment and behaviors. Hazard communication, food safety, and fire safety also are addressed in this course. Written, classroom, and hands-on experience in the requirements for personal protective equipment are experienced. Students should plan to take this course during their graduation semester.

1 credit

Health Sciences

HSC 100 - Medical Terminology

This course is a study of the professional language of medicine, including description, interpretation, building, and spelling medical terms that relate to human anatomy and physiology, pathophysiology, diagnostic testing, and medical procedures. This is also available as an online internet course.

Corequisite(s): HSC 130 Basic Anatomy and Physiology

3 credits

HSC 120 - Health Information Management and Medical Office

This course presents the theoretical concepts of Health Information. Topics presented include history of hospitals and other health care facilities; health information systems the responsibilities and functions of medical personnel; the various methods available; and procedures for maintaining health records, methods of numbering and filing, and compiling statistics and reports for hospitals and other facilities. Com Office software, including electronic health records, will be the focus in presenting health information processes. Regulatory issues of HIPAA are integrated throughout the course.

3 credits

HSC 121 - Medical Assisting Administrative I

This course focuses on the skills needed for entry level practice as a medical assistant in physicians' offices, outpatient testing centers, medical clinics, ambulatory surgical settings and hospitals. The course addresses professional communication concepts, interpersonal skills, critical thinking, documentation, confidentiality and cutting edge technology necessary for the present day medical assistant. In utilizing the classroom setting, this class presents a structured setting to cultivate the administrative skills needed by the medical assistant in the health care arena.

3 credits

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3 credits

HSC 130 - Basic Anatomy and Physiology

This course introduces students to human anatomy and physiology. All systems are discussed at a primary learning level. Included is clinical application of related disease processes and diagnostic procedures. This course is also available as an online internet course.

Corequisite(s): HSC 100 Medical Terminology

3 credits

HSC 140 - Basic Disease Process and Pharmacology

This course provides an overview of disease processes and introduces students to current concepts in pharmacology. An analysis of how drugs affect all body systems and related diseases is highlighted. Major disease entities, including etiology and symptoms, are presented. Overview of basic drug actions, indications for drug therapy, toxicity, side effects, and safe ranges for therapeutic dosages are presented. There is correlation between disease and drug therapy.

Prerequisite(s): HSC130 Basic Anatomy and Physiology

3 credits

HSC 144 - Pharmacology for Pharmacy Technicians

This course introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the lifespan. Students are presented with the concepts of basic pharmacology and the management of drug therapy. It includes examination of the body systems and the related drug therapy within each system. It explores the basic drug groups and key similarities and differences among drugs in each group. Presentation of identifying brand and generic names, dosage forms, doses, quantities, and directions for use of prescription, non-prescription and herbal medications for treating commonly encountered medical conditions is a major portion of this course along with communicating appropriately with other health professionals regarding drug therapy. Drugs are studied by therapeutic or pharmacological class using an organized framework. All modes of handling and dispensing of medications are included.

3 credits

HSC 145 - Pharmacology

This course emphasizes drug therapy as an integral part of health care. The student will develop a theoretical knowledge base of major drug classifications and relate this knowledge to the pharmacologic aspects of client/patient care. This study of pharmacodynamics assists in analyzing patient response to drug therapy.

2 credits

HSC 150 - Medical Assisting Clinical I

This is an introductory course designed to provide students with an overview of the clinical skills and methods required for employment as a medical assistant. Students will gain experience assisting physicians and other healthcare providers to perform patient centered assessment, examination, intervention and treatment. Emphasis will be placed upon both clinical theory and skills. Beginning skills for the medical assistant will be presented. Communication skills and professional behavior, OSHA standards, infection control, documentation, basic first aid and numerous medical office procedures will be taught. Students will have the opportunity to practice skills with supervision in the clinical laboratory in order to achieve competency.

Prerequisite(s): HSC 100 and HSC 130

2 lecture; 1 lab credit

HSC 160 - Law and Ethics for Health Occupations

The student is introduced to a variety of issues facing health care personnel including legal situations involving health law, functioning within the constraints of applicable law and current challenges facing health care providers. Presented are aspects of medical malpractice, the regulatory environment, civil versus criminal law and the judicial system. There is an overview of medical ethics with discussion of such issues as right to life, right to die, euthanasia, stem cell research, cloning, genetic engineering and anatomical gift legislation, as well as other ethical issues facing health care workers. This is also available as an online course.

3 credits

HSC 166 - Critical Thinking in Health Sciences

This non-clinical course examines components of critical thinking, ethics, legal principles and decision-making strategies. The learner clarifies personal values and gains increased appreciation for human uniqueness, autonomy and freedom of choice.

2 credits

HSC 190 - Pharmacy Law and Ethics

This course is designed to introduce the student to Federal and State laws governing the practice of Pharmacy and the activities of the Pharmacy Technician. It explores the commonly encountered ethical dilemmas in Pharmacy practice and provides methods of analyses for appropriate ethical decision making.

2 credits

HSC 191 - Pharmacology Calculations

This course is designed to introduce the student to calculations encountered in pharmacy practice. Presented are the methods for conversion and dosage calculation for solids, liquids, dilutions, compound formulas. Patient appropriate calculations are integrated throughout the course. Interpretation of prescriptions, physician orders, drug labels and medication errors are covered.

2 credits

HSC 192 - Pharmacy Technician Practice

This course prepares the student for clinical practice. The course provides an overview of the practice of the pharmacy technician and develops the fundamental concepts and principles for success in the field. All activities within the scope of practice are presented. Topics include pharmacy technology, medication distribution systems, repackaging pharmaceuticals, intravenous admixture, compounds, dispensing, billing, managing inventory, and setting-specific activities.

3 credits

HSC 205 - Medical Coding ICD-10

This course will introduce the student to the ICD-10-CM classification of symptoms, conditions and diseases according to the International Classification of Disease Clinical Modification.

The Diagnosis and Procedure Coding course is designed to provide students with a basic understanding of fundamental concepts of medical reimbursement and health information management systems; focusing on the process of assigning appropriate code numbers to medical diagnoses and procedures to meet patient health record and insurance billing requirements. Emphasis will be placed on coding outpatient medical records

Corequisite(s): HSC130 Anatomy & Physiology, HSC100 Medical Terminology

3 credits

HSC 210 - Medical Coding CPT

Current Procedural Terminology (CPT) is a listing of descriptive terms and identifying codes for reporting medical services and procedures performed by physicians. The terminology provides a uniform language that accurately describes medical, surgical, and diagnostic services and thereby provides an effective means for reliable nationwide communication among physicians, patients, and third parties.

3 credits

HSC 211 - Advanced Medical Coding

CPT (Current Procedural Terminology) codes ICD-9 (Internal Classification of Diseases) and HCPCS codes are fully integrated to enhance the student's depth of knowledge. The Correct Coding Initiative (CCI) and compliance and reimbursements will be stressed by the use of real world cases. Intermediate physician-based case study coding assignments are included. Chart analysis (abstracting) will be the focus that will provide the student with skill advantage over other medical coders.

Prerequisite(s): HSC 200 and HSC 210

3 credits

HSC 221 - Medical Assisting Administrative II

This course builds upon the concepts in Medical Assisting Administrative I while introducing advanced administrative skills. All aspects of financial management concepts, including insurance, billing and collections are presented and practiced. A comparison of electronic and manual systems will be explained and demonstrated. Confidentiality and other current laws, as they apply to collections, will be integrated throughout the course. Concepts of office management and human resources are included. Upon successful completion of this course, student will be able to enter the medical assistant field with confidence in their administrative skills.

Prerequisite(s): HSC 121 - Medical Assisting Administrative with a C or better; Pennsylvania State Police Criminal History Record, Pennsylvania Child Abuse History Clearance

3 credits

HSC 250 - Medical Assisting Clinical II

This course builds upon the concepts in Medical Assisting Clinical I while introducing advanced clinical skills. More complex and independent procedures performed by the medical assistant are presented in addition to surgical procedures, physical therapy, principles of diagnostic imaging, and emergency procedures. Included are safety in the laboratory, government regulations, quality assurance, and microscopic procedures and analysis. The student will be involved in rehabilitation, modes of therapy and medication administration. The student is challenged to think critically in various clinical situations. Assessment of health education needs for patients and family is integrated throughout this course.

This course offers skill development in the performance of a variety of blood collection methods using proper techniques and universal precautions. There is an emphasis on infection prevention, proper identification, labeling of specimens, specimen handling, and processing. Upon completion of this course, the student will be able to enter the medical assistant field with confidence in their clinical skills.

Prerequisite(s): HSC 150 with a C or better, Pennsylvania State Police Criminal History Record, Pennsylvania Child Abuse History Clearance

3 credits (2 lecture, 1 lab)

HSC 270 - Diet Therapy for Nursing Students

Nutrition plays a vital role in maintaining good health and preventing chronic disease. Nutritional therapy in clinical situations is an adaptation of the principles of normal nutrition. Proper application of these principles can maximize restoration of health. This course introduces the nursing student to the fundamentals of

medical nutrition therapy with direct application to the nursing process. The course provides an introduction of human nutrition including nutritional requirements, metabolism, and nutritional biochemistry. Nutritional needs and problems across the lifespan are addressed. Nutritional therapeutics for specific disease states are thoroughly examined.

HSC 275 - Healthcare Administrations/Organizations

This course reviews the US healthcare delivery system and identifies roles within that system. The scope of the system and its many complex and interrelated components are described, analyzed, defined, and illustrated. The course also covers the concepts of cultural diversity, healthcare law and ethics, stress in the workplace, professionalism, communication and interpersonal relations, and strategies for becoming a successful healthcare employee.

3 credits

HSC 280 - Financial Management in Health Care

This course provides information about the financial aspects of Managed Care in the current health care arena. Included are presentation of the major private sector and governmental health insurances. Operational aspects of financial management in the outpatient and inpatient settings are integrated throughout the course. The methodology of account billing and collections is presented. The necessary regulatory requirements that govern practice management and their impact on health care is stressed.

3 credits

HSC 281 - Hospital Practicum for Healthcare Technology

The internship is a credit-worthy work opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom knowledge through practical application. The Hospital Practicum will include shadowing hospital healthcare information professionals as well as entry-level work. You will need to complete 2 credit hours for the Healthcare Information Specialist Hospital Practicum. To earn one credit, an intern must satisfactorily complete a minimum of 45 hours on the job.

Prerequisite(s): Students may intern after earning at least two-thirds of their program credits and a 2.0 grade point average. All students must apply to intern during the semester prior to the semester in which they plan to earn the internship credits.

2 credits

HSC 282 - Office Practicum for Healthcare Technology

The internship is a credit-worthy work opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom knowledge through practical application. The Office Practicum will provide students the opportunity to be more closely involved with actual information technology work as they act as a liaison to outside information technology support channels such as hospital and third-party information technology providers. You will need to complete 2 credit hours for the Healthcare Information Specialist Office Practicum. To earn one credit, an intern must satisfactorily complete a minimum of 45 hours on the job.

Prerequisite(s): HSC 281 Office Practicum for Healthcare Information. All students must apply to intern during the semester prior to the semester in which they plan to earn the internship credits.

2 credits

HSC 292 - Medical Assisting Professional Seminar

This course is a one credit capstone course. This capstone course is an opportunity for students to demonstrate that they have achieved the outcomes of the medical assisting technology program. This course is designed to assess cognitive, affective and psychomotor learning and to do so in a student-centered and student-directed manner which requires the command, analysis and synthesis of knowledge and skills. It integrates learning from the courses in the major with the courses from the rest of the academic experience. It requires the application of that learning to a project which serves as an instrument of evaluation. This course will prepare the student to leave the academic world and enter into the real world as a medical assistant, the most versatile member of any medical staff. *Prerequisite(s): Students must have satisfactorily completed 40 credits, which includes HSC 121, 150, 221, and 250, with a 2.0 GPA or better. Course must be taken in final semester of program. All students must register and meet with the faculty internship advisor to intern during the semester prior to the semester in which they plan to earn the internship credits.*

Corequisite(s): HSC 293

1 credit

HSC 293 - Medical Assisting Technology Practicum

This course is a credit-worthy work opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom theoretical knowledge through practical application. This course provides the Medical Assisting Technology student with reality training in the field of health care with an emphasis on medical office skills and clinical practice. Students will be mentored by an experienced supervisor in the agency setting. Satisfactory completion of this experience is required for the completion of the AAS degree in Medical Assisting Technology

Prerequisite(s): Students must have satisfactorily completed 40 credits, which includes HSC 121, 150, 221, and 250, with a 2.0 GPA or better. Course must be taken in final semester of program.

Corequisite(s): HSC 292

4 credits

HSC 295 - Pharmacy Technician -- Hospital Internship

The internship is a credit-worthy opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom knowledge through practical application. This experience is designed to give the PHT student reality training in the field of hospital, nursing home, distribution center and other large pharmacy agencies. Students will be mentored by a Registered Pharmacist and Pharmacy Technician. Satisfactory completion of this practicum is required for completion of the certificate. The student is responsible for obtaining Act 34 Criminal Clearance and any other agency requirements prior to this experience. It is recommended that the student obtain professional liability prior to beginning the internship experience.

Prerequisite(s): Students may intern with satisfactory progress or completion of HSC192 and a 2.0 grade point average. All students must register and meet with the faculty internship advisor to intern during the semester prior to the semester in which they plan to earn the internship credits.

2 credits (90+ hours)

HSC 296 - Pharmacy Technician -- Retail Internship

The internship is a credit-worthy opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom knowledge through practical application. This experience is designed to give the PHT student reality training in the field of community pharmacy settings. Students will be mentored by a Registered Pharmacist and Pharmacy Technician. Satisfactory completion of this practicum is required for completion of the certificate. The student is responsible for obtaining Act 34 Criminal Clearance and any other agency requirements prior to this experience. It is recommended that the student obtain professional liability prior to beginning the internship experience.

Prerequisite(s): Students may intern with satisfactory progress or completion of HSC192 and a 2.0 grade point average. All students must register and meet with the faculty internship advisor to intern during the semester prior to the semester in which they plan to earn the internship credits.

2 credits (90+ hours)

HSC 298 - Medical Coding Internship

This internship is a credit-worthy work opportunity for students to gain experience in their major areas of study by strengthening and expanding their classroom theoretical knowledge through practical application. This course provides the Medical Coding Specialist student a choice of reality training in the field of health care with an emphasis on coding and billing practice. Students will be mentored by an experience supervisor in the agency setting. Satisfactory completion of this experience is required for the completion of the Medical Coding Diploma.

Prerequisite(s): Students may intern after satisfactory completion of 25 program credits with a 2.0 grade point average or better. All students must register and meet with the faculty internship advisor during the semester prior to the semester which they plan to earn internship credits.

3 credits (135+ hours)

History

HIS 100 - U.S. History I: Discovery through Reconstruction**

This course focuses on the history of the United States from European discovery and settlement to Reconstruction. Major events will be introduced and analyzed along with political, economic, social and cultural challenges that America faced during that period.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

HIS 110 - U.S. History II: Reconstruction to Present**

This course focuses on the history of the United States from the Gilded Age to our status as a sole superpower today. Major events will be introduced and analyzed along with political, economic, social and cultural challenges that America faced during that period.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

HIS 200 - American Immigration

The course examines the dynamics of immigration to the United States from the 19th to mid-20th centuries. An overview of American immigration will be presented, with a specific focus on immigrants from Northern and Western Europe; those coming from Southern and Eastern Europe; and peoples from Asia and Latin America.

3 credits

HIS 205 - American Popular Culture

This course is an exploration of the 20th into the 21st centuries through the use of American popular culture. Each decade will be examined for the items that helped shape its respective cultural identity. These include film and theater, food and drink, music, print media, sports and games, fashion and fads, television, and radio. By doing so, this class will teach us who we are; what we were; and where we are going.

3 credits

HIS 210 - The Civil War and Reconstruction

This course will examine the time frame in American history from 1850 to 1877-shortly before, during and after the Civil War. Specific focus will be placed on the major battles, causes, politics, and cultural, intellectual, and social aspects of this period.

3 credits

HIS 220 - The Vietnam War

This course focuses on the United States' war in Vietnam. This includes but not limited to a brief history of Vietnam; how, why and when the United States entered the war; the social, cultural, and political impact the conflict had and still has on the United States; and the specific battles and major events of the war itself.

3 credits

HIS 250 - World War II through Film

This course focuses on the period of World War II, from its origins in European nationalism, World War I and the worldwide depression of the 1930s, through to its conclusion and aftermath, including the rebuilding of Europe and the Cold War. Particular emphasis will be paid to the treatment of the war in the popular cinema.

3 credits

Histotechnology

HST 100 - Histotechnology 100

This course introduces the student to histologic techniques and the histology laboratory. The theory of Histotechnology and Carson, Bancroft and the Armed Forces Institute of Pathology (AFIP) set the foundation for the established histologic techniques. The clinical practicum provides the student the opportunity to demonstrate basic technical skills and accountability through the application of these techniques and with interaction with the clinical faculty, pathologists, and other laboratory staff.

Prerequisite(s): Must be accepted to the Conemaugh School of Histotechnology

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HST 200 - Histotechnology 200

This course builds on the concepts learned in Histotechnology 100. The student will advance to more complex histologic techniques in the class room and in the histology laboratory. The theory of Histotechnology and Carson, Bancroft and the Armed Forces Institute of Pathology (AFIP) set the foundation for the established histologic techniques. The clinical practicum provides the student the opportunity to demonstrate basic and more complex technical skills and accountability through the application of these techniques and with interaction with the clinical faculty, pathologists, and other laboratory staff.

Prerequisite(s): HST 100; Must be accepted to the Conemaugh School of Histotechnology

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HST 250 - Histotechnology

This course builds on the concepts learned in Histotechnology 100 and 200. The student will advance to becoming a competent Histologic Technician, be prepared for the registry examination and ready for employment. The theory of Histotechnology and Carson, Bancroft and the Armed Forces Institute of Pathology (AFIP) set the foundation for the established histologic techniques. The clinical practicum provides the student the opportunity to demonstrate basic and more complex technical skills and accountability through the application of these techniques and with interaction with the clinical faculty, pathologists, and other laboratory staff.

Prerequisite(s): Histotechnology 100; Histotechnology 200; must be accepted to the Conemaugh School of Histotechnology

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Human Services

HUS 100 - Introduction to Human Services

This course is an overview of human services and is required of all human services majors. It is designed to help students examine and understand basic concepts required to work in the human services field. It is designed for student presently working or planning a career in applied human services such as victims services assistant, social service worker, therapeutic support staff, group home worker, or activity professional. Topics examined include ethics, professional confidentiality, and legal liabilities in addition to the processes of helping and referral resources. Students engage in 35 hours of community service learning and must present current ACT 34 and ACT 151 clearances to complete course requirements.

3 credits

HUS 200 - Interviewing and Case Management

The job of a case manager or assistant is pivotal in coordinating all of the services provided to consumers. This course focuses on empowering clients to manage their own lives during the case management process, from the intake interview until termination. Important skills such as interviewing, report writing, service documenting, case planning and supervision, and mastering technology is explored and practiced in the classroom and in the field. Students learn how to develop a plan for services, identify services, and gather information through the interviewing process. The elements of crisis intervention are explored. Students engage in 35 hours of related service learning. Students may need to present approved current ACT 34 and ACT 151 clearances to complete course requirements.

Prerequisite(s): HUS100 Introduction to Human Services

3 credits

HUS 202 - Introduction to Research

This course is an introduction to research in Human Services and the Behavioral Sciences. Students learn conceptual foundations of psychological research, including the nature of psychology as a science, the ethics of research, research designs, the nature of research variables, and the logic of research design and statistical analysis. Topics include empirical, qualitative, survey research, and program evaluation. Students complete the course through a demonstration of their empirical writing skills with an APA formatted research proposal.

Prerequisite(s): PSY 100 and ENG 110

3 credits

HUS 210 - Community Intervention and Social Policy

A major assumption of this class is that some families, organizations and community groups do not realize their fullest potential because of disparities of power, lack of resources, racism, sexism, ageism and other structural inequalities. The provision of social services and the legal basis for such services implies that collective action, advocacy, consciousness raising, and community organization among members in societies can alter oppressive conditions and enrich our sense of belonging. Various strategies and their effectiveness, including liberation movements among women, African Americans, gays, senior citizens, and the differently-abled groups will be discussed. Finally, the characteristics and implications of organizing and development are discussed. Lectures, guest speakers, videos, exercises, research and discussion will be employed to convey concepts about community development and effective interventions. Students engage in 35 hours of related service learning experience. Students may need to present approved current ACT 34 and ACT 151 clearances to complete course requirements.

Prerequisite(s): HUS100 Introduction to Human Services

3 credits

HUS 295 - Human Services -- Generalist Internship

The internship is the field experience for students majoring in Human Services, and utilizes a concurrent model of field education. This model affords students the opportunity to simultaneously practice in the field and uses seminars as a forum to improve their service skills and enhances their teaming skills. Students coordinate their internship experience with the faculty internship advisor and the site supervisor at the location of the field experience. The internship is designed to enable the student to experience increasing levels of responsibility within the fieldwork facility. The field experience is a minimum of 140 hours on site, along with 10 hours in a scheduled internship seminar. Students may intern at their work site with approval from the faculty internship advisor or may choose an internship position available in the community. Students must present current ACT 34 and ACT 151 clearances to complete internship requirements.

Prerequisite(s): Completion of minimum 45 credits

3 credits (140 clock hours, 10 hours of seminar)

Humanities

HUM 100 - Introduction to Humanities

This course examines expressions in literature, philosophy, music, architecture and painting in the context of the political, economic, and social history of the Western World. Emphasis is on the arts and ideas as reflections of and influences on social and cultural change.

3 credits

HUM 101 - Foundations of Literature and the Arts in Western Culture

This overview course introduces students to the various developments in the arts, literature, music, philosophy, and architecture of Western culture. Major eras covered included Medieval, Early Renaissance, and Byzantine. Class discussion and lectures address the similarities and differences in moral and ethical values in Western Culture throughout the ages. Support is provided to enable the student to read, write, study, and understand the text.

Corequisite(s): ICR020 Basic College Reading, ICR031 Critical College Reading, ENG010 Basic English, or ENG020 Introduction to Composition

3 credits

HUM 140 - Liberal Arts Seminar

Through reading, research, and discussion, students continue to explore a selected topic/theme using single, multiple, and cross disciplinary methods.
3 credits

Library

LIB 100 - Information and Research

In this class students will learn how to identify an information need, identify resources to meet that need, evaluate the resources, and understand how to use the resources effectively thereby avoiding plagiarism. Students will learn both APA and MLA citation styles.
3 credits

Mathematics

MAT 020 - Basic Math

This course is designed for students who need to develop or review the basic mathematics skills that are essential to success in college level work. Use of calculators will not be permitted in this course. Topics include whole numbers, fractions, decimals, percents, and integers. This course does not count toward graduation, does not earn college credit, and is not used in GPA calculations.

Prerequisite(s): Placement Exam
3 institutional credits

MAT 041 - Pre-Algebra

This course is designed for students who need to develop or review the basic mathematics and algebraic skills that are essential to success in more advanced college level work. Use of calculators will not be permitted for the first part of the course. Topics include whole numbers, fractions, decimals, integers, percents, proportion, measurement, basic geometry, variable expressions, linear equations, and polynomials. This course does not count toward graduation, does not earn college credit, and is not used in GPA calculations.

Prerequisite(s): MAT 020 or by placement exam
3 institutional credits

MAT 080 - Basic Algebra

This course is designed to prepare students for Intermediate Algebra by exploring basic algebraic concepts. Topics include variable expressions, linear equations and inequalities, systems of linear equations, polynomials, factoring, exponents, and graphing linear equations. This course does not count toward graduation, does not earn college credit, and is not used in GPA calculations.

Prerequisite(s): MAT 041 Pre-Algebra or by placement exam
3 institutional credits

MAT 110 - Business Mathematics

This course is designed to give students expanded fundamental knowledge of mathematical applications for personal use and business applications. A review of fractions, decimals, percents, and formulae are included in the course. Topics include basic statistics, insurance, discounts, markup, markdown, inventory, interest, consumer credit, banking, payroll, taxes, financial statements, depreciation, and investments.

Prerequisite(s): MAT020 Basic Math or by placement exam

3 credits

MAT 115 - Construction Math

This course is to prepare the student for the mathematics use in building construction. Topics include applying basic mathematics to calculate spacing and sizing of Roof Rafters, Overhangs, and Stairs as used in building construction. Use of geometry for the calculation of building materials needed.

Prerequisite(s): MAT041 Pre-Algebra or by placement exam

3 credits

MAT 117 - Technical Math for Trades

This course is designed to prepare students for mathematics they will use working in technical and trade fields. The student will review basic math skills working with whole number, decimals, and fractions. The student will learn applied geometry, basic algebraic operations, and introduction to trigonometric functions.

Application problems will allow students to use the concepts that are learned to solve practical problems.

Prerequisite(s): MAT041 Pre-Algebra or by placement exam

3 credits

MAT 126 - Elements of Mathematics I

Elements of Mathematics is a content course which broadens and deepens the student's knowledge of the mathematics content of early childhood and middle school as a framework for learning to teach mathematics. In the course, students use a variety of materials for learning, work with conceptual models, use conceptual models to do mathematics, perform activities that develop new perspectives, and demonstrate competence in mathematics. This course enables our students to become insightful professionals who are able to understand and communicate mathematic principles to others.

Prerequisite(s): MAT 041 or by placement exam

3 credits

MAT 127 - Elements of Mathematics II

Elements of Mathematics II is a continuation of MAT126 Elements of Mathematics I which increases the students' mathematical knowledge and expands the student's understanding of the mathematics content of early childhood and middle school as a framework for learning to teach mathematics. In the course, students use a variety of materials for learning, work with conceptual models, use conceptual models to do mathematics, perform activities that develop new perspectives, and demonstrate competence in mathematics. This course enables our students to become insightful professionals who are able to understand and communicate mathematic principles to others.

Prerequisite(s): MAT 126 Elements of Mathematics I

3 credits

MAT 131 - Intermediate Algebra

This course is designed to prepare students for higher level mathematics through a mastery of algebraic concepts. Topics include factoring, laws of exponents, polynomials, equations and inequalities (including linear, quadratic, and absolute value), graphing (using linear equations and inequalities), systems of equations and inequalities, functions, rational expressions and radicals.

Prerequisite(s): MAT080 Basic Algebra or by placement exam

3 credits

MAT 145 - College Algebra

Students enrolled in this course should have a strong background in basic and intermediate algebra. Topics include a more in-depth study of expressions, solving equations, solving inequalities, circles, and a detailed study of functions including polynomial, logarithmic, and exponential functions.

Prerequisite(s): MAT131 Intermediate Algebra or by placement exam

3 credits

MAT 170 - Precalculus

This course is designed for the student who needs to strengthen the algebraic, geometric, and trigonometric skills necessary for calculus. Topics include a detailed study of graphs, functions (including polynomial, rational, logarithmic, exponential, and trigonometric functions), analytic trigonometry, and limits.

Prerequisite(s): MAT 145 College Algebra or by placement exam

3 credits

MAT 200 - Probability and Statistics

This course provides the student with an opportunity to learn and apply concepts. Applications include problems from various fields. Sources of data, sampling, collection methods and processing of statistical data, frequency distributions, measures of central tendency and dispersion, probability theory, confidence intervals, tests for significance, correlation, and regression analysis will be covered. Emphasis will be placed on concepts, definitions, and analysis. The instructor will determine whether calculations will be done through formulas in a professor-created Microsoft Excel file, by using a graphing calculator, or with other statistical software available online or with the text.

Prerequisite(s): MAT131 Intermediate Algebra or higher; and proof of Microsoft Excel skills. One of the following is Proof of Excel skills: CIT100 Microcomputer Applications, CIT 103 Microsoft Excel, Transfer credits from an equivalent course.

3 credits

MAT 203 - Foundations of Higher Mathematics

This course is designed to foster an understanding of mathematical ideas and how to use formal proof techniques to determine the validity of these ideas. The topics include sets, set theory, formal proof techniques, relations and functions, and proper mathematical terminology and notations. Students preparing to become teachers, current teachers, and students planning to major in mathematics or science would benefit from a better understanding of the language and notation of mathematics as well as the formal techniques learned in this course.

Prerequisite(s): MAT 145 College Algebra

3 credits

MAT 205 - Applied Calculus for Business

Students enrolled in this course should have a strong background in college-level algebra. Topics include a review of functions and an introduction to the basic concepts of calculus. These concepts include limits, differentiation, curve sketching, and integration. An emphasis will be placed on application problems.

Prerequisite(s): MAT 145 College Algebra or by placement test

4 credits

MAT 210 - Calculus I

This course is designed as the first calculus course for students pursuing degrees in mathematics, engineering, or the natural sciences. Students are introduced to the basic concepts of calculus including limits, continuity, derivatives, applications of derivatives, and integration. Logarithmic, exponential, and trigonometric functions are included.

Prerequisite(s): MAT 170 Pre-Calculus or by placement exam

4 credits

MAT 220 - Calculus II

This course is designed as the second calculus course for students pursuing degrees in mathematics, engineering, or the natural sciences. Topics include differentiation and integration of transcendental functions, more advanced integration techniques, applications of integration, L'Hôpital's Rule, improper integrals and infinite series.

Prerequisite(s): MAT210 Calculus I

4 credits

MAT 230 - Calculus III

This course is designed as the third calculus course for students pursuing degrees in mathematics, engineering, or the natural sciences. Topics include conics and polar coordinates, vectors and vector-valued functions, functions of several variables including partial derivatives and multiple integration.

Prerequisite(s): MAT220 Calculus II

4 credits

MAT 240 - Differential Equations

This course is designed to prepare students for higher level mathematics through a mastery of mathematical modeling. Differential Equations uses these models to analyze such concepts as growth, decay, falling objects and other problems from physics and engineering.

Prerequisite(s): MAT 230 Calculus III

Media Production

MPR 100 - Introduction to Production

Students learn the basics of audio and video production by means of exploring the fundamentals of production: media aesthetics, audience analysis, choice of medium, visual writing, and more. The course covers theory, terminology, and techniques. Basic technical and aesthetic skills of both radio production and television studio production are covered. Students apply these fundamentals by participating in hands-on group projects.

3 credits

MPR 130 - Radio Production

This course introduces the student to digital audio radio production through Adobe Audition software in the classroom and in the college's Black Bear Audio Lab. The student will learn the production theories and then produce digital audio presentations for radio and electronic-based media applications. These productions will also be used to create an audio portfolio for each student.

3 credits

MPR 150 - Television Production

Students will examine television production in the digital age—from idea to image—and how it moves through the three major phases, from preproduction to production to postproduction. Students will learn to use the necessary tools and will have an opportunity to see, hear, and practice the skills being taught in accurately simulated studio and field environments.

3 credits

MPR 200 - Scripting for Radio, Television, and e-Media

The average American is exposed to more than 3,000 advertisements and media messages each day, but recalls only about a dozen. To write creative and memorable messages that stand out in the marketing departments of local, national, and international organizations, skill is required. This course introduces the student to effective copywriting for radio, television, and e-based platforms.

3 credits

MPR 230 - Basic News Writing

This course introduces the student to broadcast, electronic and print news and examines how reporters gather and deliver news stories. It also explores the various factors that affect news reporting and presentation. Students write short and long form news stories that will be recorded and aired in newscasts. Students learn how to write in news style and write various types of news stories with an emphasis on broadcast as well as online newsletters, electronic bulletin boards and the internet. Through lectures, discussions, video and audio and guest speakers from area media, students learn about the responsibility and role of news reporters in society

3 credits

MPR 250 - Video Production

Video production combines essential storytelling along with the technical skills needed to make the story come alive. The fundamentals of video production will be studied including the production process, the production team, the function and elements of the camera, proper mounting, balance, and composition. An introduction to creating, editing, and producing digital video, the course will enable students to use digital video terminology and video editing including adding transitions, special effects, music, sound effects, and voice-overs, graphics, and titles.

3 credits

MPR 270 - New Media Production

New media production offers hands-on instruction in multimedia and emerging new media technologies effectively for different types of communication. The scope of the course will cover application areas of new media. Digital, visual, and media literacy will be improved as content generators.

3 credits

MPR 290 - Media Literacy

This course in media literacy introduces both theoretical and applied constructs and techniques in order to promote critical consumption and production of media content. Media analysis techniques, media reviews, and exercises are used to enhance overall student knowledge of the topic area.

3 credits

MPR 299 - Media Production Practicum

This is the capstone course for the Media Production Associate of Applied Science Degree. This course offers supervised experience in video/television/new media broadcasting with emphasis in the planning, production, and editing of electronic media. Projects or outside experience in the field must be cleared by the instructor. Sixty hours of supervised outside work is the minimum, with the addition of 15 hours classroom instruction. Assignments or professional experience may be offered through Pennsylvania Highlands. Practicum class includes the completion of portfolio materials.

3 credits

Music

MUS 100 - Introduction to Music

This course is an introduction to music which studies the elements of music (notation, scales, meter, rhythm, intervals) instruments of the orchestra, vocalization, and the lives and works of composers from the Middle Ages, Renaissance, Baroque, Classical, Romantic, and Contemporary eras. Use is made of recordings, concerts, and other media.

3 credits

MUS 200 - Popular American Music in the Twentieth Century

Popular American Music in the Twentieth Century reviews the basic elements of music, surveys the history of popular music in America from the invention of the phonograph (1877) to the current dates, and explores the use of music as a social, cultural, and political mirror and influence on the society we live in. Supplemental recordings, concerts, and other media are used as tools in the study of American.

3 credits

Philosophy

PHI 100 - Critical Thinking

In this course, students develop the ability to form and critically evaluate arguments. In the beginning, special attention is given to informal logic (especially logical fallacies) and to understanding strong deductive, inductive, and abductive inferences. The remainder of the course is devoted to practical applications of critical thinking skills to topics such as claims made about ghosts, ESP, astrology, UFO abductions, relativism, conspiracy theories, advertising, political speech, media, etc.

3 credits

PHI 110 - Introduction to Philosophy**

This course introduces students to traditional philosophical problems. The course will survey basic topics in philosophy and the great ideas that changed history. Students will examine classical and contemporary texts on the nature of reality, truth, morality, goodness, justice, the possibility of knowledge, faith, reason, and the existence of God.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

PHI 200 - Introduction to Ethics

We, typically, describe our actions as right or wrong, good or bad. In the first half of this course, we will address theoretical questions about the foundations of our standards of right and wrong and questions about systems for distinguishing right from wrong actions/character traits. The second half of the course will be devoted to applying our answers to the theoretical questions to specific issues, including drugs, casual sex, illegal immigration, torture, abortion, etc. In more technical terms, the course is a survey of metaethics, normative ethics, and applied ethics.

3 credits

PHI 205 - Death and Dying

This course examines philosophical, religious, scientific, and legal aspects of death and dying. Topics include the definitions and criteria of death, the treatment of death by the major world religions, the existence or non-existence of souls, the possibility of an afterlife, suicide and euthanasia, meaning in life in response to the inevitability of death, etc.

Note(s): Also goes by PSY 205.

3 credits

PHI 225 - Business Ethics

This course considers ethical issues that arise in the context of business needs and practices. We begin by reviewing normative ethical theories, which we will, then, apply to specific questions that arise in the practice of business—e.g. “In whose interests ought corporations be governed?”, “What obligations do businesses have to protect and preserve the environment?”, “What ethical norms should govern international business ventures?”, “Should employees be fired at-will, or should they only be fired only for just cause?”, etc.

3 credits

PHI 235 - Philosophy of Religion

This course critically examines basic religious beliefs and concepts. Special attention is given to arguments for and against the existence of God. Also covered are topics such as the attributes and nature of God, the role of faith and reason in belief, miracles in a scientific age, the possibility of an afterlife, predestination and human freedom, the origin of religious belief, religious disagreement, etc.

Note(s): This course is cross-listed as REL235.

3 credits

PHI 240 - Bioethics

This course considers ethical issues that arise in the context of medicine and biotechnology. After reviewing normative ethical theories, we will apply those theories to topics such as obligations to patients, the role of physicians, the responsibilities of nurses, patient autonomy, informed consent, confidentiality, human and animal research, the implementation of advance directives and DNR orders, suicide and euthanasia, abortion, stem cell research, reproductive technologies, genetic enhancement, and governmental healthcare policies.

3 credits

PHI 245 - Symbolic Logic

This course introduces students to formal patterns of reasoning. It will cover general topics in logic (arguments, sentences, deductive validity, equivalence, consistency, tautologies, contradictions, etc.), sentential logic (connectives, truth tables, sentences in sentential logic, etc.), and predicate calculus (quantification, semantics, models, proofs, etc.). Any student interested in forming and analyzing good arguments will enjoy this class, and those involved with computer science or mathematics will find it especially beneficial.

Prerequisite(s): MAT 145 College Algebra

3 credits

Physics

PHY 102 - Concepts of Physics

The course introduces students to phenomena, concepts, and principles of Physics at an introductory level. Topics will include light, waves, sound, energy, electricity, states of matter and Newton's Laws. This course is for students who may not have had prior Physics instruction. The course is required for Welding and Architectural/Civil (CAD) and Design Technology Majors but applicable for many other majors who need a three or four credit science.

Prerequisite(s): MAT115 Construction Math, MAT117 Technical Math for Trades, or MAT131 Intermediate Algebra.

Corequisite(s): PHY 103 Concepts of Physics Lab (if applicable to student major, required for Welding and Architectural/Civil (CAD) and Design Technology Majors)

3 credits

PHY 103 - Concepts of Physics Lab

The course illustrates many of the topics introduced in lecture through hands-on laboratory experiments. Experiments in laboratory are conducted, but not limited to, the topics of force, acceleration, gravity, friction, circular motion, matter, temperature, and the Law of Reflection.

Prerequisite(s): MAT115 Construction Math, MAT117 Technical Math for Trades, or MAT131 Intermediate Algebra

Corequisite(s): PHY102 Concepts of Physics

1 credit

PHY 110 - Physics (Algebra-based) I

Among the topics covered are the kinematics and dynamics of linear motion, the conditions for static equilibrium, the principles of conservation of energy and of momentum, Newton's law of gravitation, the kinematics and dynamics of rotational motion, mechanics of solids and fluids and thermodynamics. This course is recommended for Environmental Program students and students wishing to transfer an algebra based Physics course to a four-year institute.

Prerequisite(s): MAT 115 Construction Math, MAT117 Technical Math for Trades, or MAT131 Intermediate Algebra

Corequisite(s): Physics Lab (Algebra Based) PHY 111

3 credits

PHY 111 - Physics (Algebra-based) I Lab

The course illustrates many of the topics introduced in lecture through hands-on laboratory experiments. Experiments in laboratory are conducted, but not limited to, the topics of force, acceleration, gravity, friction, circular motion, matter, and temperature.

Prerequisite(s): MAT 115 Construction Math, MAT117 Technical Math for Trades, or MAT131 Intermediate Algebra

Corequisite(s): PHY 110- Algebra Based Physics I Lecture

1 credit

PHY 115 - Physics (Algebra-based) II

Among the topics covered are thermodynamics, electric concepts, magnetic concepts, waves and atomic theory. This course is recommended for Environmental Program students and students wishing to transfer an algebra-based Physics course to a four-year institute.

Prerequisite(s): MAT 115 Construction Math, MAT117 Technical Math for Trades, or MAT131 Intermediate Algebra. Algebra-Physics I (PHY 110)

Corequisite(s): PHY 116 - Physics (Algebra Based) Lab II

3 credits

PHY 116 - Physics (Algebra-based) II Lab

The course illustrates many of the topics introduced in lecture through hands-on laboratory experiments. Experiments in laboratory are conducted, but not limited to, the topics include wave motion, electricity and magnetism, light, geometrical and physical optics as well as relativity and quantum theory.

Prerequisite(s): MAT 115 Construction Math, MAT117 Technical Math for Trades, or MAT131 Intermediate Algebra. Physics (Algebra-based) I (PHY 110) and Physics Lab (Algebra-based) II (PHY 111)

Corequisite(s): PHY 115- Physics (Algebra Based) II Lecture

1 credit

PHY 120 - Physics (Calculus-based) I

An introduction to mechanics. Among the topics covered are the kinematics and dynamics of linear motion, the conditions for static equilibrium, the principles of conservation of energy and of momentum, Newton's law of gravitation, the kinematics and dynamics of rotational motion, mechanics of solids and fluids and thermodynamics. Differential and integral calculus and simple vector analysis are used throughout. This course is recommended for students planning to transfer to four year institutions as engineering, physical science, premed, and computer science majors.

Prerequisite(s): MAT 210 Calculus I

Corequisite(s): PHY 121 Physics (Calculus-based) I Laboratory

3 credits

PHY 121 - Physics (Calculus-based) I Laboratory

The course illustrates many of the topics introduced in lecture through hands-on laboratory experiments. Experiments in laboratory are conducted, but not limited to, the topics of force, acceleration, gravity, friction, circular motion, matter, and temperature.

Prerequisite(s): MAT 210 Calculus I

Corequisite(s): PHY 120 Physics (Calculus-based) I

1 credit

PHY 130 - Physics (Calculus-based) II

A continuation of PHY 120. Topics include wave motion, electricity and magnetism, light, geometrical and physical optics. Differential and integral calculus and simple vector analysis are used throughout. This course is recommended for students planning to transfer to four year institutions as engineering, physical science, premed, and computer science majors.

Prerequisite(s): MAT 210 Calculus I, PHY 120 Physics (Calculus-based) I, PHY 121 Physics (Calculus-based) I Laboratory

Corequisite(s): PHY 131 Physics (Calculus-based) II Laboratory

3 credits

PHY 131 - Physics (Calculus-based) II Laboratory

The course illustrates many of the topics introduced in lecture through hands-on laboratory experiments. Experiments in laboratory are conducted, but not limited to, the topics of electrostatic fields and Gauss' law, electric potential, electric circuits, magnetic fields, Ampere's law, Faraday's law, inductance, Maxwell's equations, electromagnetic waves and optics.

Prerequisite(s): MAT 210 Calculus I, PHY 120 Physics (Calculus-based) I, PHY 121 Physics (Calculus-based) I Laboratory

Corequisite(s): PHY 130 Physics (Calculus-based) II

1 credit

Psychology

PSY 100 - General Psychology**

This course is a general introduction to the scientific study of the brain, behavior, and mental processes of humans and animals, with emphasis on the goals of psychology: to describe, explain, predict, and control behavior. Students examine the substance of psychology such as biopsychology, sensation and perception, learning, memory, cognitive processes, affective behaviors, and mental illness through an examination of the theories, principles, and methods of research used in the field. Examples and applications enable the student to acquire the elements of critical thinking as adapted to the research environment. Students produce an APA formatted research paper. This course applies the fundamental principles of psychology as a natural science. Students explore current research through reading original empirical research and write an APA formatted analytic research paper.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

PSY 130 - Human Development Across the Lifespan

This course covers various aspects of human development across the life span. It focuses on theoretical issues, developmental tasks, human differences, and applications of the knowledge with the area of human development. Human development is a broad field that looks at the changes, processes, and challenges encountered in daily living. Life span development examines the body of knowledge we call development. This course will expose students to the wide range of environmental factors, from physical to multicultural, aging, typical and atypical interactions between the organism and the environment, the normal and the challenges, the success and the failures of living.

3 credits

PSY 155 - Psychology of Thinking and Learning

Educational psychology studies individual behaviors in environments where instruction takes place. The material addresses core principles of psychological theory and brain-based concepts as applied to education, instruction, and assessment. This course provides the foundation, tools, and techniques of classroom instruction and management strategies that are applicable across the learning career of a teaching assistant or public school teacher. The teacher's job is to be able to identify and analyze elements in the student, the instructional environment, and in one's self that impact a student's ability to learn.

3 credits

PSY 200 - Abnormal Psychology

This course examines behaviors currently described as psychological disorders, as well as theoretical, clinical, and experimental perspectives of the study, diagnosis, and treatment of psychopathology. Emphasis is placed on terminology, classification, etiology, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns, as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques. Students explore current research through reading original empirical research.

Prerequisite(s): PSY100 General Psychology

3 credits

PSY 205 - Death and Dying

This course examines philosophical, religious, scientific, and legal aspects of death and dying. Topics include the definitions and criteria of death, the treatment of death by the major world religions, the existence or non-existence of souls, the possibility of an afterlife, suicide and euthanasia, meaning in life in response to the inevitability of death, etc.

Prerequisite(s): Also goes by PHI 205

3 credits

PSY 210 - Psychology of Aging

This upper-level course examines the implications of living longer, applying the biopsychosocial model to the study of the aging process from several cultural and contextual perspectives. A variety of attitudes, myths and stereotypes about aging are discussed. Aging is viewed from the perspective of America's past view of the elderly to an emerging view of the elder individual as an important contributor to society. A strengths approach to the aging process is examined and contrasted against the usual medical model of aging. The course examines aging issues with special emphasis on the supportive role of the Human Services worker in the area of mental health. Current research and research methods are integrated into the coursework through writing assignments. Service-learning may be required.

Prerequisite(s): PSY100 General Psychology

3 credit

PSY 220 - Introduction to Counseling

This course is a general introduction to the profession of counseling with emphasis on ethics and the client-counselor relationship. Students examine the role and function of the counselor, self-reflection, and current issues in counseling. Examples and applications enable the student to acquire the elements of critical thinking as adapted to the research environment. Students produce an APA formatted research paper. Students explore current research through reading original empirical research. Classroom, web-supported, & web-based delivery.

Prerequisite(s): PSY 100 General Psychology

3 credits

PSY 230 - Human Exceptionality

This course focuses on human development and a multidimensional view of persons of diverse abilities. Children, students, and adults with special needs, including gifted, are understood from the bio-psycho-social perspective, including theoretical and applied knowledge. Beginning prenatally, the appearance of developmental disabilities is examined from available perspectives. The course explores many of the most common disabilities and provides a basis of therapeutic understanding to support enrichment, instruction, and behavioral management. The focus throughout is on special education philosophy, principles, and legislation (ADA, 504, and IDEA) that are necessary for understanding and using the more applied knowledge base of special education. In the broader perspective, the minimization or amelioration of disability is discussed over the life of an individual. Students explore current research through reading original empirical research.

Prerequisite(s): PSY100 General Psychology

3 credits

Religion

REL 100 - World Religions/Religious Studies

This course examines the nature and development of religion. Students will study the origins, history, sacred practices, and philosophical thought of the great religions of the world. The contributions of the literary, historical, and theological study of these religions to modern culture will be examined.

3 credits

REL 200 - Understanding the Bible

This course introduces students to the academic study of the Bible (i.e. the Hebrew Bible/Christian Old Testament and the New Testament). It will focus specifically on the origin and transmission of the texts, authorship, major textual themes, basic content, and the historical impact of the Bible. Special attention will be given to the scholarly interpretations of familiar biblical narratives, sermons, and lessons.

Prerequisite(s): ENG 110

3 credits

REL 235 - Philosophy of Religion

This course critically examines basic religious beliefs and concepts. Special attention is given to arguments for and against the existence of God. Also covered are topics such as the attributes and nature of God, the role of faith and reason in belief, miracles in a scientific age, the possibility of an afterlife, predestination and human freedom, the origin of religious belief, religious disagreement, etc.

Note(s): This course is cross-listed as PHI235.

3 credits

Restaurant/Culinary Management

CUL 110 - Introduction to Hospitality

This course has been designed to introduce students of the college to the service industries and to develop an appreciation of contemporary developments in hospitality and tourism. Drawing upon the importance of inter-sector relationships and examination of purpose and strategy, students are challenged to explore the social, cultural, and economic impacts to each sector in the hospitality industry. Guest satisfaction is examined in all key industry sectors to provide an insight on how customers interact with the service delivery system. Specific emphasis will be placed on understanding the dynamic impact of the tourism industry on political, economic, cultural, and social systems. This course is open to all majors.

3 credits

CUL 155 - Foods I

This course provides the students with an introductory level of food principals, food preparation, and commercial kitchen equipment use. Foods 1 is a foundational course for achieving the Associates of Science in Hospitality Management. The basic cooking skills and kitchen knowledge are a prerequisite to advancing forward in all Culinary Arts programs. In addition, this course is designed to provide the student with an in depth understanding of sanitation issues, including food borne illnesses, and safety concerns and systems of the commercial kitchen.

Corequisite(s): CUL 110 Introduction to Hospitality

4 credits (2 lecture, 2 lab)

CUL 156 - Hospitality Technology and Dining Room

This course aims to provide students with an introduction to the varying software applications utilized within the hospitality sectors of Travel/Lodging, Meeting/Event Planning, Restaurant, Managed Services and Recreation. Study on how systems are integrated will be explored and the benefits examined for operational effectiveness. In-depth analysis of POS and PMS modules will develop industry appropriate knowledge and cultivate students understanding of the importance these have upon a business's objectives. In addition, this course is designed to demonstrate and explain professional dining room service operations to the hospitality/culinary student.

3 credits

CUL 161 - Foods II

This course is designed to provide the students with an opportunity to continue practicing learned skills in both culinary production and customer service in the operating restaurant. A study of the fundamental principles of food preparation and cookery, including the Brigade System, cooking techniques, material handling, heat transfer, sanitation, safety, nutrition, and professionalism in the kitchen will be studied, as well as a continued development of customer service

techniques and habits in the dining room. In addition, student will develop skills in basic mathematical operations and study of their applications in the food service industry. Topics include percentages, weights and measures, ratio and proportion, weights and measures conversions, determination of portion costs for menu items and complete menus, portion control, and the increase and decrease of standard recipes.

Prerequisite(s): CUL 155, MAT 110, and ServSafe Certification

2 credits (1 lecture, 1 lab)

CUL 165 - Foods III

This course is a study of the development of regional cuisines in the United States with emphasis on the similarities in production and service systems in a variety of operational platforms. Applications of skills to develop, organize, and build a portfolio of recipe strategies and production systems will be addressed.

Prerequisite(s): CUL 155, CUL 161, and ServSafe Certification

2 credits (lab)

CUL 168 - Purchasing and Financial Management

The purpose of this course is to explore the various purchasing processes within the hospitality industry. Examination and analysis of key market factors relating to cost and availability are developed together with exploration of current purchasing mechanisms. The course will also introduce the student to various ethical and legal considerations and give them an understanding of the importance of management principles at each stage of the purchasing cycle. This course also aims to provide students with an in depth understanding of the differing financial management systems and to critically evaluate their importance and application to industry. Subject areas such as revenue/expense accounting, departmental budgets and statements will be explored, to enable students the ability to see how these processes are integrated within the managerial process. Furthermore, evaluation of financial documentation and applications will facilitate students in their ability to explore the financial successes available and to analyze potential restrictions and barriers.

Prerequisite(s): MAT 110, CUL 155, and CUL 161; Recommended CUL 156

3 credits

CUL 170 - Hospitality Marketing Management

The menu is involved with nearly every facet of the food service operation. This course involves planning the menu with emphasis on the market study and segmentation, customer demographics and food preferences, staff capabilities and necessary equipment. Also included are the various types of menus, writing menus, costing, analyzing and evaluating menus.

3 credits

CUL 181 - Baking and Pastry

This course includes an introduction to tools and equipment, baking principles, safety and sanitation and the preparation of cakes, cookies, breads, pies and tarts

2 credits (1 lecture, 1 lab)

CUL 200 - Managing Hospitality Staff

This course is designed to help supervisors meet the challenges and demands of the hospitality industry, to be leaders that possess excellent human relations skills, are highly productive, and are very flexible. The focus of this course is on the first-line hospitality supervisor and applying the wisdom of management theory and experience to the hospitality workplace in down-to-earth terms.

3 credits

CUL 210 - Beverage Management

This course provides an overview of the management of beverage operations. Topics include RAMP Certification, staff training, beverage pricing, food and wine pairings, wine list development, purchasing, storage and service, creative beverage marketing, cost controls and loss prevention.

3 credits

CUL 250 - Banquet and Event Management

This course highlights the management principles for all types of successful quantity food production and service facilities. It also focuses on what front-of-the-house staff need to know to serve alcohol and customers responsibly. Practical experience in large quantity cookery is required and may involve various non-profit community foodservice facilities. This course offers 2 credits of lecture and 1 credit of "hands-on" lab experience. Students are required to wear a uniform for all foods laboratory classes.

3 credits

CUL 295 - Restaurant/Culinary Management Internship

The internship is an opportunity for students to expand their classroom knowledge through practical application.

6 credits (270+ hours)

Sociology

SOC 100 - Introduction to Sociology**

This course introduces the basic sociology concepts and theories, with emphasis on application of these concepts to the understanding of American institutions: politics, economics, religion, education, marriage and the family.

*Note(s): **This course is part of the 30 credit transfer framework agreement with the Pennsylvania State System of Higher Education universities.*

3 credits

SOC 200 - Contemporary Social Issues

This course is taught seminar style and focuses on the theoretical constructs and the analysis of social problems at local and national levels. The ability to

distinguish and identify social issues and analyze their impact on the community serves as the course objective.

Prerequisite(s): SOC100 Introduction to Sociology

3 credits

SOC 205 - Race, Class, and Gender in Society

This course examines some of the ways societal systems operate to construct our ideas, beliefs, values, behaviors, and attitudes toward ourselves and others, as well as how differences between and among people are created and maintained. Attention will be drawn to differences within society and how hierarchies are established from such perceived differences. Students will examine the concept of social construction and how it can help us see the ways systems of race, class, gender, and sexuality function to establish the boundaries of our lives. The power of words, of definitions, of language itself is explored for students to consider the multiple ways they might participate in or be impacted by structures of domination from a historical and sociological perspective. Topics will be explored through reading original empirical research and review; and utilize APA style research.

Prerequisite(s): SOC 100

3 credits

SOC 250 - Introduction to Social Work

This course is designed to introduce students to the field of social work and social welfare as an institution and a discipline. Students survey the social, political, economic and historical dimensions of poverty and welfare services in the United States. Social institutions are examined within an array of human studies endeavors including cultural anthropology, healthcare, political science, economics, political science, and psychology. From both a historical and contemporary perspective, social welfare as a profession will be studied. This course is intended to help students think critically, to develop an analytical approach to the value judgments made by social institutions and to broaden the understanding of human diversity and the human condition in the United States.

3 credits

Spanish

SPA 101 - Spanish I

This course studies the foundations of Spanish, including pronunciation, basic vocabulary, writing and target language culture.

3 credits

SPA 102 - Spanish II

This course continues building foundations of Spanish, including pronunciation, basic vocabulary, writing and target language culture.

Prerequisite(s): SPA101 Spanish I or by placement

3 credits

SPA 203 - Spanish III

This course focuses on building functional language proficiency in Spanish, including pronunciation, vocabulary, writing and target language culture.

Prerequisite(s): SPA102 Spanish II or by placement

3 credits

Theatre

THR 120 - Acting I

This is an introductory course to the acting process as described by Constantin Stanislavski. We will be focusing on such techniques as biography, sense and emotion memory, and script analysis to name a few. Students in this course will be expected to learn the basic background work that professional actors do to prepare for a role.

3 credits

THR 200 - Directing I

This is an introductory course to the process of directing theatrical productions. During this course we will cover the basics of directing such as script analysis, play selection, casting, and blocking. As a final project, all students will direct a French scene utilizing either the students of the Acting I class, from the College's student population, or from the class.

3 credits

Transfer

TRN 115 - Introduction to Transfer

A course focusing on the career and continuing education opportunities of the General Studies (or Liberal Arts) program and other transfer programs. The course offers students the opportunity to explore their own goals in education, potential careers, continuing education, and life at large and the role that further education can play in these. This course is designed for majors in General Studies (or Liberal Arts) and other transfer programs, and it is designed to accompany the First Year Experience course in the first semester of the student's two years.

1 credit

Welding

WEL 105 - Welding I

Instructor demonstrations and practice by the students in basic GMAW/FCAW/SMAW processes. The student will practice flame cutting, gas and arc welding in flat, horizontal, and vertical positions. Emphasis on lab techniques and safety: to include safe and correct methods of assembly, operation of welding equipment and use of grinders.

3 credits

WEL 106 - Welding II

Instructor demonstrations and practice by the students involving Vertical and Overhead welding techniques to include Tungsten-Arc Inert Gas (TIG) and Shielded Metal Arc Welding (SMAW). Students will also go over basic welding techniques using Gas Metal Arc Welding (GMAW).

Prerequisite(s): WEL101 Welding I

4 credits

WEL 125 - Blueprint Reading for Welders

This course covers the basics for reading blueprints for manufacturing plans. Students will learn about sections, details, assembly plans and subassembly plans. They will learn and understand welding symbols and abbreviations. The study of the welding symbol will include all common weld symbols used in today's production prints. Students will learn about additional elements included in the welding symbol such as pitch and spacing, roots, backing, melt-thru welds and weldment fabrications. Students will also learn about dimensioning and tolerances.

3 credits

WEL 150 - OSHA - Laws and Regulations

This course provides an overview of the Occupational Safety and Health Act of 1970 and the federal agencies created by this act, OSHA and NIOSH. Students will become familiar with OSHA's general industry standards with particular emphasis on those health and safety compliance standards frequently cited during workplace inspections. In addition, coursework will review the proceedings of an OSHA inspection, penalty structure and litigation procedures.

3 credits

WEL 205 - Advanced Welding I

This course includes the theory, application and skill development of advanced Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Plasma Arc Cutting (PAC), and Oxygen Arc Cutting (OAC) processes. Skill development for the ARC welding processes will emphasize vertical and overhead "vee" groove joints. Root/face bend tests will be conducted on all test welds. Skill tests will follow either American Society of Mechanical Engineers (ASME) or American Welding Society (AWS) welding code criteria.

Prerequisite(s): WEL 106 Welding II

4 credits

WEL 206 - Advanced Welding II

This course covers the theory and practical use of Plasma Arc, Automatic and Semiautomatic Submerged Arc, Flux Core, Metal Inert Gas (MIG), Tungsten Inert Gas (TIG) welding processes, Carbon Arc Gouging and Cutting. The course includes the study of automatic welding equipment and weld positioners. The student will perform pipe welding employing MIG and TIG welding processes. Demonstrations and practice in resistance welding (Spot Welding). Root/face and side-bend test will be passed by the student following American Welding Society (AWS) and American Petroleum Institute (API) code procedures.

Prerequisite(s): WEL 205 Advanced Welding I

4 credits

WEL 210 - Welding Equipment Repair and Troubleshooting

This course covers the operation and maintenance of welding equipment. The student will learn various methods of troubleshooting for a variety of problems that occur with welding and cutting equipment. The student will also learn about the different tools that are used for troubleshooting such as the volt-ohm-meter. This course will have the students apply their troubleshooting knowledge to real problems with welding and cutting equipment.

Prerequisite(s): WEL 106, and CAM 125 or WEL 125

3 credits

WEL 215 - Welding Inspection and Code Specifications

This course covers how to read, write, and interpret specifications and codes for both the American Welding Society (AWS) and American Society of Mechanical Engineers (ASME). The course covers specifications and codes for structural steel welding and pressure vessel welding.

3 credits

WEL 220 - Metal Fabrication

This course provides students with an understanding of metal fabrication. Emphasis will be placed on proper joint selection, design, stresses in welds, material selection, and estimating welding costs. Students will construct projects using common metal fabrication equipment to include welding, shears, ironworker, and metal rollers.

Prerequisite(s): WEL 105 WEL 125

3 credits

WEL 230 - Welding Metallurgy and Materials Characterization

This course covers the manufacturing of metals and alloys. Emphasis is placed on the metal's properties as to weld ability. The student will study and have demonstrations in the use of tensile tester, impact tester, metallographic, metallurgical microscopes, and polishing techniques.

Prerequisite(s): MAT 117

4 credits

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