Cedar Crest High School

115 E. Evergreen Road
Lebanon, PA 17042

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Principal’s Message

This Educational Planning Guide has been prepared to give students and parents the opportunity to view the program of studies at Cedar Crest High School in total perspective. The academic program is designed to meet the varied needs of our student population. If the guide is to serve the student well, serious consideration and study must be utilized in making choices. The value of the Program of Studies is totally dependent on the effort put forth by each student in developing those understandings and skills that will build the foundation for a rewarding and satisfying future.

Nicole Malinoski, Principal
Cedar Crest High School

From Your Counselors

Students at Cedar Crest High School have the opportunity to plan and select individualized programs of study during their high school career. This Educational Planning Guide has been published to provide the students and their parents/guardians with information that will enable them to plan their educational programs. Included are the course offerings and descriptions, graduation requirements, and suggested educational plan. The course offerings provide for a solid base of academic study and also allow sufficient flexibility for students to elect courses based upon personal interest.

The Counselors advise that students and their parents/guardians read the guide carefully. We hope that the program selected is challenging, but not challenging beyond the student’s potential for success. Decisions for course selection should be made with great care, keeping in mind the student’s abilities, personal goals, general interests, and career aspirations.

Counselors are available to assist students and parents/guardians with questions concerning the curriculum or selecting a program of study. Eighth grade students consult with their middle school counselor with questions. High school students consult their alphabetically assigned counselor. Students in grades 9-12 with an IEP should consult with Ms. Dubble.

We sincerely hope that this Educational Planning Guide will make course selection easier and provide a more rewarding experience.

Best wishes for a successful school year,
Counseling Department
Cedar Crest High School

Course Changes

After the start of the school year, if a student wishes to change a course due to academic difficulties, the following procedures must be followed:

1. Student has attempted to complete all assigned work.
2. Student has sought academic assistance from teacher.
3. Student has sought academic assistance from other resources such as MAS, peer tutors, private tutors, etc.
4. If these conditions have been met, the student may secure a “Request for Schedule Change” form.

Guidelines For Credit Recovery

Students who are recovering credits through an approved summer program must be finished with the course by August 1, 2018.

Promotion Policy

Students must earn 4 credits (2 of which must come from core credit in English, Science, Math and Social Studies) to be promoted into 10th grade.

Students must earn 10 credits (6 of which must come from core credit in English, Science, Math and Social Studies) to be promoted into 11th grade.

Students must be eligible for graduation within their final school year to be promoted into 12th grade.

Equal Opportunity Statement

The Cornwall-Lebanon School District is an equal opportunity education institution and will not discriminate against students or employees on the basis of race, color, national origin, sex and handicap in its activities, programs, or employment practices as required by Title VI, Title IX and Section 504.

For information regarding civil rights or grievance procedures, contact the Compliance Officer at 105 East Evergreen Road, Lebanon, Pennsylvania, 17042, (717) 272-2031. Step one of the complaint procedure requires written notification sent to the building principal. Step two requires written notification sent to the Compliance Officer.
Cedar Crest High School
Scholastic, Promotion, Graduation Requirements

All of the following requirements must be met:
1. follow a career academy;
2. completion of a 4 year program;
3. accumulation of a minimum of 24 credits;
4. successful completion of a minimum of 5 credits during the senior year;
5. successful completion of the following:
   - 4 credits in English
   - 3 credits in social studies (all students must pass coursework in American Cultures, World Cultures and Government)
   - 3 credits in mathematics
   - 3 credits in science
   - 1.5 credits in physical education
   - .5 credit in health
   - .5 credit in fine arts (art or music)
   - .5 credit in Falcon Academy
   - .5 credit in family and consumer sciences
6. successful completion of Project L.I.F.E.
7. demonstration of proficient level or better in Literature and Algebra on the Keystone Exams by grade 11 or local assessments that are aligned with the Keystone Exams eligible content.

Students who do not score at the proficient level in Literature or Algebra will be required to meet all requirements found in the English 12 and/or Keystone Math courses. (Please see course descriptions for English 12 and Keystone Math.)

Class of 2019 and beyond will meet performance requirements on the Keystone Exams in Biology as determined by the Commonwealth of Pennsylvania.

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Exceptional Education Programs

Advanced Placement Courses

Advanced Placement (AP) courses are available in a variety of curricular areas. Advanced Placement is a nationally accredited program of the College Entrance Examination Board. All students enrolled in AP courses are required to take the AP exam in May. Students are required to pay for the exam(s) at their own expense no later than October 1. If payment is not received, the student will be removed from the AP course and placed in an alternate class. In addition, students who do not complete/Turn in summer reading assignments will be given a zero without an opportunity to make up the work.

See course descriptions for more information. Students successful in the AP exams may receive college credits depending on the college or university that the student chooses to attend. In addition, these courses will carry a 0.8 weight for ranking purposes.

- English Language
- Biology
- US History
- Human Geography
- European History
- US Government

Honors Courses

Honors level courses are offered in many curricular areas in grades 9 through 12 and carry a weight of 0.4 for ranking purposes. Honors courses may require summer assignments and/or completion of an extended project.

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College in the High School

Cedar Crest High School, in conjunction with Harrisburg Area Community College (HACC) and the University of Pittsburgh, offers courses in which students earn college credit while satisfying the requirements for a high school diploma. These courses are offered on the Cedar Crest campus and are instructed by teachers employed by the Cornwall-Lebanon School District. Students enrolled in these courses are required to pay fees per course as determined by HACC/Pitt and must purchase class materials and books.

In order for students to participate in this program they must meet admission requirements set forth by HACC/Pitt and course prerequisites set forth by CCHS. College in the High School courses carry a weight of 0.8 for ranking purposes.

- Bio 111 - Introduction to Human Biology
- CIS 105 - Intro to Software for Business
- Commrc 0500 - Argument
- CS0007 - Computer Science Foundations 2
- CS 0134 - Website Design & Development
- CS 0401 - AP Computer Science A
- Eng 101 - English Composition 101
- Hist 0101 - Western Civilization II
- Hist 101 - World History 1
- Hist 102 - World History 2
- INFSIC0011 - AP Computer Science Prin.
- Math 0120 - Business Calculus
- Math 103 - College Algebra
- Math 121 - AP Calculus AB
- Math 202 - AP Statistics
- PS 0550 - Intro to Global Studies
- Psy 0100 - AP Psychology
- Span 003 - Intro to Spanish 1

Dual Enrollment

Dual Enrollment courses are those that are taken at an institution of higher learning, while a student is simultaneously enrolled at Cedar Crest High School. Credit is awarded both by the institution and by CCHS. Dual enrollment courses must be pre-approved by the building principal if high school credit is requested. Students may request no more than 1 high school credit (2 college courses) during the summer. Students may request no more than 2 high school credits (4 college courses) during the academic year. Students may earn no more than 8 CCHS credits per year, not including summer credit. Dual enrollment credit is included in this maximum. Dual enrollment credit is offered to twelfth grade students only.

Eligible Student Services

Classes are available for students who have been identified after an extensive diagnostic process as eligible and in need of special services. To the greatest extent possible and reasonable, eligible students remain in regular education with non-exceptional peers. Not all support courses are listed in this educational planning guide. Eligible students’ course of study is determined by the IEP Team.

Senior Option

The Senior Option is a privilege for twelfth grade students who are in good academic and discipline standing at the high school. Students who select and qualify for this option will be permitted to come to school after period 1, or leave after period 7, or take a study hall during the day, depending on when they are scheduled for this offering.

Student Requirements/Criteria for The Senior Option:
- Successfully complete a minimum of 21 credits by the end of the junior year.
- Have a minimum cumulative grade point average (GPA) of 2.5.
- Have his/her own transportation to and/or from school.

Administrative approval following a review of student discipline and attendance records.
- * Registering for The Senior Option and meeting the above requirements/criteria does not ensure admittance.

Career and Technology Center Program

(CTC Program Descriptions are located on pages 18 & 19 of this Educational Planning Guide)

The programs at the Lebanon County Career and Technology Center are available for juniors and seniors at Cedar Crest High School. Depending on the career program chosen, students will attend the Career and Technology Center on a part-time or half-time basis during their junior or senior years or will attend full-time during their senior year only. Transportation is provided for all students. Below are the programs available at the Lebanon County Career and Technology Center.

** Half Day Junior Year, Full Day Senior Year **

- Cosmetology
- Full Day Senior Year

- Full Day Senior Year - 8:05 AM - 2:10 PM

Commercial Art and Design, Culinary Arts, Dental Assistant, Health Careers Technology, Landscape Technology, Media Communications Technology, Pastry Arts, Sports Therapy Services

CTC Enrollment Information

Official CTC “Enrollment Date Forms” are required at the same time as Cedar Crest Course Registration forms. If a program is not filled by March 1, Enrollment Date Forms are accepted on a first come basis until the program is filled. Subsequent requests are maintained on a first come waiting list and accommodated if openings occur. Cedar Crest’s selection of students is competitive in nature; many factors are used to determine qualification. Students must complete all required application forms by deadlines set forth by the Cedar Crest Counseling Office. Failure to do so will jeopardize the student’s chances of admission to CTC.

If applications exceed space on March 1, a program quota is implemented. Each district’s quota is determined by a standard formula. Each district’s applicants are then selected by a lottery to fill the quota. Quotas not filled by one district are applied to remaining districts on an equal basis. I.E.P., Special Populations or At-Risk students can be enrolled one year prior to the approved schedule permitting that there are available spaces in the program. At-risk students must complete a learning contract.

Partnership Programs with Colleges through CTC

Students who successfully complete an LCCTC program may receive advanced post-secondary credits or advanced standing through Tech Prep articulations, saving both time and money. For more information about these post secondary partnerships, please contact the LCCTC Guidance Office at 273-8551 ext. 2125.
NCAA eligibility requirements

ACADEMIC REQUIREMENTS
To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA, and earn an ACT or SAT score that matches your core-course GPA.

CORE COURSES
Visit eligibilitycenter.org/courselist for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

DIVISION I
Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

DIVISION II
Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

GRADE-POINT AVERAGE
The NCAA Eligibility Center calculates your grade-point average (GPA) based on the grades you earn in NCAA-approved core courses.

- DI requires a minimum 2.3 GPA
- DII requires a minimum 2.2 GPA

SLIDING SCALE
Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at ncaa.org/playcollegesports.

TEST SCORES
Take the ACT or SAT as many times as you want before you enroll full time in college, but remember to list the NCAA Eligibility Center (code 9999) as a score recipient whenever you register to take a test. If you take a test more than once, send us all your scores and we will choose the best scores from each test section to create your sum score. We accept official scores only from the ACT or SAT, and won’t use scores shown on your high school transcript. Remember to apply the College Board concordance table for SAT tests taken in March 2016 and after.
Here’s where to find course listings, descriptions
## Choose A Career Academy

Select an academy based on your interests and abilities

### Business
Career Choice Examples (See Career Academy for course requirements)
May Require 4-year College Degree
Accountant/Auditor/Actuary
Advertising/Marketing
Budget Analyst
Business Analyst
Computer Programmer
Consultant
Economist
Finance/Financial Planner
General Manager/Chief Exec.
Hospital Administrator
Hotel/Motel Manager
Human Resource Mgr.
Information Specialist
International Business
Labor/Personnel Mgr.
Marketing
May Require 2-year Postsecondary Education/Training
Administrative & Secretarial Banking/Financial Services Business Systems/Networking Caterer Computer Repair Technician Court Reporter Data Processing Entrepreneur Executive Assistant Fashion Merchandising Hospitality/Administration Mgr. Legal Secretary Management Info. Systems Medical Admin. Secretary Paralegal Retail Sales Travel-Tourism Specialist
May Require High School Training and/or Special Certificate Training

### Communications/Arts
Career Choice Examples (See Career Academy for course requirements)
May Require 4-year College Degree
Actor
Advertising
Artist
Broadcast Journalist
Ceramic Arts & Ceramics Choreographer
Composer/Arranger
Creative Writer
Dancer
Editor/Publisher
Fashion Design & Illustrator
Film Studies
Graphic Design, Comm. Art Journalist
Music Conducting
Music Director
Music Performance
Musician
Producer/Director
Public Relations Specialist
Radio and TV Newscaster Reporter
Technical Theater
Theater Design & Stagecraft
May Require 2-year Postsecondary Education/Training
Camera Operator, Movie & TV Cartoonist
Commercial Photographer
Design & Applied Arts
Fashion Merchandising
Graphic Artist
Interior Design
Makeup Artist
Metal & Jewelry Arts
Printmaker
Sculpture
Television Technician

### Engineering, Physical Sciences & Applied Technology
Career Choice Examples (See Career Academy for course requirements)
May Require 4-year College Degree
Aerospace/Aeronautical Engineer
Aircraft Pilot
Architect
Biochemist
Chemical Engineer
Computer Engineer
Computer Programmer
Electrical Engineer
Environmental Engineer
Forensic Scientist
Geologist
Industrial Engineer
Mechanical Engineer
Meteorologist
Pharmacist
Physician/Chemist
Secondary Science Teacher
May Require 2-year Postsecondary Education/Training
Broadcast Technician
CAD Operator
Chemical Engineering Technician
Civil Engineering Technician
Computer Technician
Dental Laboratory Technician
Industrial Engineering Technician
Inspector, Tester, Grader
Laser Technician
Machine
Mechanical Engineering Technician
Musical Instrument Repair
Pollution Control Technician
May Require High School Training or Special Certificate Training
Auto Body Technician
Automotive Technician
Carpenter
Cost Estimator
Diesel Mechanic
Drywall Installer
Electrician
Heavy Equipment Operator
Landscape Assistant
Machine Operator
Mason
Plumber/Heating/AC
Road Worker
Roofers
Welder

### Health, Agricultural and Life Sciences
Career Choice Examples (See Career Academy for course requirements)
May Require 4-year College Degree
Agronomist
Art Therapy
Athletic Trainer
Biological Scientist
Botanist
Chiropractor
Conservation Scientist
Dairy Science
Dentist
Dietician
Environmentalist
Forester
Geneticist
Horticulturist
Marine Biologist
Medical Technologist
Music Therapy
Occupational Therapist
Optometrist
Pharmacist
Physician
Physician Assistant
Physical Therapist
Psychiatrist
Registered Nurse
Social Worker
Soil Science
Surgeon
Veterinarian

### Human and Public Services
Career Choice Examples (See Career Academy for course requirements)
May Require 4-year College Degree
Anthropologist
Coach
College/University Faculty
Clergy
Criminologist
Drug and Alcohol Counselor
Early Childhood Educator
Elementary Teacher
FBI Agent
Historian
Law Enforcement Officer
Lawyer/Judge
Librarian
Music Careers
Physical Education Teacher
Psychologist
School Counselor
Secondary Teacher
Special Education Teacher
Sociologist
Speech/Language Pathologist
May Require 2-year Postsecondary Education/Training
Air Traffic Controller Chef
Child Care Director
Flight Attendant
Food Service Manager
Hotel/Motel Manager
Police Patrol Officer
Public Safety & Correction Mgr.
Social Director
May Require High School Training or Special Certificate Training
Baker
Barber
Bus Driver
Caterer
Child Care Worker
Cleaning Service Worker
Counter Clerk
Firefighter
Hairdresser/Cosmetologist
Prep Cook
Recreation Worker
Restaurant Attendant
Sanitation Worker
Security Guard
Special Events Planner

### Career Academy: Business

- All students must take seven credits each year. Number in parentheses equals number of credits.

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9 (1)</td>
<td>Math (1)</td>
<td>Math (1)</td>
<td>Math (1)</td>
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<tr>
<td>Math (1)</td>
<td>Math (1)</td>
<td>Math (1)</td>
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<tr>
<td>Biology (1)</td>
<td>Chemistry (1)</td>
<td>Science (1)</td>
<td>Science (1)</td>
</tr>
<tr>
<td>American Cultures 1 (1)</td>
<td>American Cultures 2 or AP U.S. History (1)</td>
<td>World Cultures or AP Human Geography (1)</td>
<td>World Cultures or AP Human Geography (1)</td>
</tr>
<tr>
<td>Physical Education (1)</td>
<td>Physical Education (1)</td>
<td>Physical Education (1)</td>
<td>Physical Education (1)</td>
</tr>
<tr>
<td>Intro to Technology (1)</td>
<td>Intro to Technology (1)</td>
<td>World Cultures or AP Human Geography (1)</td>
<td>World Cultures or AP Human Geography (1)</td>
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<tr>
<td>Art Foundation or Music (1)</td>
<td>Art Foundation or Music (1)</td>
<td>Program Electives (2)</td>
<td>Program Electives (2)</td>
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<tr>
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<td>Falcon Academy (1)</td>
<td>Free Elective (1)</td>
<td>Free Elective (1)</td>
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<tr>
<td>Program Electives (1)</td>
<td>Program Electives (1)</td>
<td>TOTAL (7)</td>
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</tbody>
</table>

**Program Electives**

- **(Check for Prerequisites)**
- World Language is highly recommended for college-bound students. All music performance courses may be considered program electives.
- Accounting 1, 2 (1 each)
- Adv. Computer Science Topics Hon (1)
- Advertising (1)

### Career Academy: Communication and the Arts

- All students must take seven credits each year. Number in parentheses equals number of credits.

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Full-Day CTC</th>
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</thead>
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<td>English 9 (1)</td>
<td>Math (1)</td>
<td>Math (1)</td>
<td>English 12 (1)</td>
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<tr>
<td>Math (1)</td>
<td>Math (1)</td>
<td>Math (1)</td>
<td>English 12 (1)</td>
</tr>
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<td>Biology (1)</td>
<td>Chemistry (1)</td>
<td>Science (1)</td>
<td>Government (1)</td>
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<tr>
<td>American Cultures 1 (1)</td>
<td>American Cultures 2 or AP U.S. History (1)</td>
<td>World Cultures or AP Human Geography (1)</td>
<td>Program Electives (4.5)</td>
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</tr>
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<td>Program Electives (2)</td>
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**Program Electives**

- **(Check for Prerequisites)**
- World Language is highly recommended for college-bound students. All music performance courses may be considered program electives.
- Accounting 1, 2 (1 each)
- Adv. Comp. Science Topics Hon (1)
- Agriscience Tech 1, 2, 3, 4 (1 each)

### Career Academy: Engineering, Physical Science, Applied Technology

- All students must take seven credits each year. Number in parentheses equals number of credits.

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<th>Grade 12</th>
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**Program Electives**

- **(Check for Prerequisites)**
- World Language is highly recommended for college-bound students. All music performance courses may be considered program electives.
- Accounting 1, 2 (1 each)
- Adv. Comp. Science Topics Hon (1)
- Agriscience Tech 1, 2, 3, 4 (1 each)
## Career Academy: Health, Agricultural, Life Sciences

* All students must take seven credits each year. Number in parentheses equals number of credits.

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
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<tbody>
<tr>
<td>Advanced Fitness 1 (.5)</td>
<td>Advanced Fitness 2 (.5)</td>
<td>Advanced Fitness 3 (.5)</td>
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<tr>
<td>Advanced Health Topics (.5)</td>
<td>AP Art History (1)</td>
<td>AP European History (1)</td>
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<tr>
<td>Chemistry (1)</td>
<td>AP Psychology (1)</td>
<td>Business/Personal Law (1)</td>
</tr>
<tr>
<td>American Cultures 2 or AP U.S. History (.1)</td>
<td>Advanced Video &amp; Film Prod. (1)</td>
<td>Future Prof Internship (1)</td>
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<tr>
<td>Physical Education (.5)</td>
<td>Broadcast Video Prod. 2 (1)</td>
<td>German 1, 2, 3, 4 (1 each)</td>
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<tr>
<td>Intro to Technology (.5)</td>
<td>Business/Personal Law (1)</td>
<td>Intro to Business (1)</td>
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<td>Advanced Health Topics (.5)</td>
<td>Intro to Business (1)</td>
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<tr>
<td>Program Electives (.5)</td>
<td>AP English Language &amp; Composition (1)</td>
<td>Healthcare Careers (1)</td>
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<td>TOTAL (.7)</td>
<td>TOTAL (.7)</td>
<td>TOTAL (.7)</td>
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### Program Electives

(Prerequisites)

All music performance courses may be considered program electives.

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<tbody>
<tr>
<td>English Composition 101 Hon (1)</td>
<td>Business/Personal Law (1)</td>
<td>Advanced Health Topics (1)</td>
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<td>Foods (.5)</td>
<td>Future Prof Internship (1)</td>
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<td>English Language Arts (1)</td>
<td>German 1, 2, 3, 4 (1 each)</td>
<td>Foods (.5)</td>
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<td>French 1, 2, 3, 4 (1 each)</td>
<td>Intro to Business (1)</td>
<td>French 1, 2, 3, 4 (1 each)</td>
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<tr>
<td>International, American Cuisine (1.5)</td>
<td>Intro to Business (1)</td>
<td>Intro to Business (1)</td>
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<tr>
<td>Program Electives (.7)</td>
<td>TOTAL (.7)</td>
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## Career Academy: Human and Public Services

* All students must take seven credits each year. Number in parentheses equals number of credits.

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<th>Grade 9</th>
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<tbody>
<tr>
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<td>English 10 (1)</td>
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<td>Biology (1)</td>
<td>Chemistry (1)</td>
<td>Science (1)</td>
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<td>American Cultures 1 (1)</td>
<td>American Cultures 2 or AP U.S. History (1)</td>
<td>World Cultures or AP Human Geography (1)</td>
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<td>Physical Education (.5)</td>
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<td>Intro to Technology (.5)</td>
<td>Health (.5)</td>
<td>Program Electives (.2)</td>
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### Program Electives

(Prerequisites)

All music performance courses may be considered program electives.

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<th>Grade 9</th>
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<td>Advanced Health Topics (.5)</td>
<td>AP Art History (1)</td>
<td>AP European History (1)</td>
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<td>AP Psychology (1)</td>
<td>Business/Personal Law (1)</td>
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<td>AP History (1)</td>
<td>Advanced Video &amp; Film Prod. 1 (1)</td>
<td>Advanced Video &amp; Film Prod. 2 (1)</td>
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**Agriscience & Technology**

**AGRISCIENCE AND TECHNOLOGY 1 (AG TECH 1)** Full Year Course/1 Credit

Agriscience and Technology 1 explores the many facets of agriculture. Primary emphasis is placed on the study of small animal care, gardening, greenhouse work, and conservation as well as an introduction to other areas of agriculture. Other studies include the correct use of hand tools and various wood and metal projects.

**AGRISCIENCE AND TECHNOLOGY 2 (AG TECH 2)** Full Year Course/1 Credit

In this course the studies include crop production with an emphasis on the major crops found in the Lebanon area. Some aspects of animal agriculture, including horses and poultry, are presented. Shop work includes education involving power tools (ex. table saw, drill press), wood projects, electric arc welding, and other aspects of Agriscience. **Prerequisite:** Successful completion of Agriscience and Technology 1 or Teacher Waiver.

**AGRISCIENCE AND TECHNOLOGY 3 (AG TECH 3)** Full Year Course/1 Credit

This course includes selection, growth, feeding, management, and marketing of animals such as dairy and beef. How crops can be used to complement the feeding of animals is covered. Shop work includes general plumbing skills, electric wiring, advanced welding and individual shop projects. **Prerequisite:** Successful completion of Agriscience and Technology 2 or Teacher Waiver.

**AGRISCIENCE AND TECHNOLOGY 4 (AG TECH 4)** Full Year Course/1 Credit

This Agriscience course offers study in agribusiness management, including pesticide certification, swine production, marketing, and record keeping. In addition, students study the use of computers in agriculture and use the Ag computer system. Also included is advanced study in the animal and plant sciences. Agriculture mechanics includes advanced mechanics skills and individual projects, with eligibility to participate in an agriculture-related Co-op program. **Prerequisite:** Successful completion of Agriscience and Technology 3 or Teacher Waiver.

**ELECTRICITY/SMALL ENGINES (ELECT/SM ENG)**

(Grade 10, 11, 12) Full Year Course/1 Credit

AP ART HISTORY (AP ART HISTORY)

(Grade 10, 11, 12) Full Year Course/1 Credit

In This Advanced Placement (AP) course, students will explore visual artworks from the ancient times through modern society and across various cultures. The main goals include understanding the purpose and function of art, appreciating various processes used to create art, analyzing art in historical contexts, and developing higher order thinking skills through verbal and written communication about the arts. Instruction will reflect similar courses taught at the college level so that students have an opportunity to take and pass the AP Art History exam for college credit. **Students are required to take the AP exam at the end of the course.** Please note that this is not a studio based course; traditional hands-on art skills are not necessary. **Approval from a social studies or art teacher is required to register for this course.** (Not offered during the 2018-19 school year.)

ART FOUNDATIONS (ART FOUND)

(Grade 9, 10, 11, 12) One Semester Course/ ½ Credit

In this course, students will learn, know, and demonstrate the elements and principles of art through observation of visual art and artworks in a variety of media and through traditional classroom assessments. Artists and art movements from different periods will enhance each unit of study. Foundation 1 prepares students for upper level elective art courses and serves to fulfill the graduation requirement for the arts and humanities. It is the perfect course for beginning artists to build a foundation of basic art skills.

COMMERCIAL ART (COMM ART)

(Grade 10, 11, 12) One Semester Course/ ½ Credit

There are many opportunities for artists to apply their creative skills and talents in the commercial world. This course covers the basics of graphic design, with additional exploration of illustration and several other commercial art fields. Both modern technologies (Adobe Illustrator, InDesign, and Photoshop) and traditional techniques (drawing, painting, collage, and mixed media) are used to solve visual problems encountered by commercial artists working in the world today. It is recommended that students are comfortable with their drawing skills before enrolling in this course.

CONTEMPORARY MIXED MEDIA (COND MM)

(Grade 10, 11, 12) One Semester Course/ ½ Credit

There is a constant search in the world of visual art to be new, different and cutting edge. In modern times, artists have broken tradition over and over again. Contemporary Mixed Media will review, practice, and introduce students to basic drawing, painting, collage and printmaking processes through various cross-discipline projects. This course will challenge students to apply traditional art skills and techniques in unconventional ways. Let your imagination run free as you develop your mixed media skills! It is recommended that students are comfortable with their drawing skills before enrolling in this course.

DRAWING & COMPOSITION (DRAW & COMP)

(Grade 10, 11, 12) One Semester Course/ ½ Credit

This course emphasizes drawing as the basis of all art and is a great course for anyone who wants to improve their ability to render objects. Drawing skills will be taught through creative problem solving, perceptual exercises, figure drawing and visual expression. Students will explore a wide variety of drawing tools, media, concepts and techniques. Keeping a sketchbook is a requirement for this course.

FUNCTIONAL DESIGN (FUNC DESIGN)

(Grade 10, 11, 12) One Semester Course/ ½ Credit

Crafts include artistic traditions that encompass ancient art forms and modern techniques. In this course, students will explore crafting techniques with jewelry, basket-making, recycled materials, book-binding, quilting, and more. Both form and function will be considered and discussed in student work. Lab Fee $35 per student.

PAINTING (PAINTING)

(Grade 10, 11, 12) One Semester Course/ ½ Credit

Painting is a medium that allows an artist to explore their ideas and emotions through color, texture, representation, and/or abstraction. In this course, students will work with ink, watercolor, tempera, and acrylic to create their own visual expression. Both realism and abstraction will be explored as students learn techniques, vocabulary, and art styles through-out the semester. Skill development will be emphasized through the creation of several original paintings. It is recommended that students are comfortable with their drawing skills before enrolling in this course.

PORTFOLIO DEVELOPMENT (PORTFOLIO)

(Grade 11, 12) One Semester Course/ ½ Credit

This course is designed for advanced students who have a deep interest in art and wish to pursue a career in art. **Prerequisite:** Successful completion of two or more art studio electives and teacher recommendation.

POTTERY (POTRY)

(Grade 10, 11, 12) One Semester Course/ ½ Credit

Hand-building techniques and the potter’s wheel will be explored along with various types of sculpture. Both traditional and contemporary pottery will be studied as well as glazing and firing techniques.

SCULPTURE (SCULPTURE)

(Grade 10, 11, 12) One Semester Course/ ½ Credit

This studio course will explore examples of sculpture throughout art history and focus primarily on figurative sculpture. Students will learn to construct a variety of sculptural forms including the human skull, bust (head, neck and shoulders), free standing sculpture in the round (to be viewed from all directions), and relief carving. Students will become familiar with the skeletal and musculature systems of the human body as well as facial and body proportion. Different sculptural media such as clay, wood, and wire will be explored. Students will be introduced to several finishing options, as well, including: glazes, paints, and patinas. All skill levels welcome.

**Business**

**ACCOUNTING 1 (ACCTG 1)**

(Grade 10, 11, 12) Full Year Course/1 Credit

Accounting 1 will allow the student to build on basic math skills while learning overall accounting concepts, principles, and automated accounting procedures. This course is designed to help students learn how accounting relates to different careers, learn accounting terminology, and apply accounting procedures. **Accounting 1** will provide students with an understanding of the accounting principles, cycle, and equation which are essential for success in other courses and in office careers.

**ACCOUNTING 2 HONORS (ACCTG 2 HON)**

(Grade 11, 12) Full Year Course/1 Credit

This course is designed for the serious business student who wants to improve their analytical and critical thinking skills and enhance their marketability as a business professional. Success in this course will result in better understanding of the different phases of accounting. Departmentalized accounting and special adjustments as well as corporate accounting will be studied. **Prerequisite:** Successful completion of Course 1 with a B- or higher.

**ADVERTISING (ADVERTISING)**

(Grade 10, 11, 12) One Semester Course/ ½ Credit

This project-centered course challenges students to learn in ways that are practical, relevant, good, or service can be successfully promoted. From budget preparation to virtual advertising, students will learn real-world concepts, terms and principles that help guide organizations in this very competitive industry. Students in this class will be involved with real-life projects that will challenge them to apply their learning in order to become successful. **Prerequisite:** Marketing

**BUSINESS AND PERSONAL LEADERSHIP (BUS PER LDRSHP)**

(Grade 10, 11, 12) One Semester Course/ ½ Credit

This course will prepare students for immediate leadership roles in school and within extra-curricular and community activities and for future academic, career, and citizenship responsibilities. Students will complete numerous individual and cooperative projects available through the Future Business Leaders of America organization. **Prerequisite:** Completion of at least one business course or membership in FBLA the previous year.

**BUSINESS MANAGEMENT (BUSINESS MANAGEMENT)**

(Grade 10, 11, 12) One Semester Course/ ½ Credit

This course gives students an understanding of the nature and purpose of business management while developing the needed technical knowledge and skills. Students will be actively introduced to business management concepts and principles by managing their own business through the use of VIRTUAL BUSINESS MANAGEMENT software. This class is an excellent choice for those students interested in pursuing a career in business.
**Business CONTINUED FROM PAGE 9**

**BUSINESS/PERSONAL LAW (BUS LAW)** (Grade 10,11) One Semester Course/ ½ credit

This course is an introduction to the legal and ethical considerations students face in making decisions in a business environment. It provides an overview of business law and the current legal climate. Students will understand the legal implications of business decisions, the importance of legal compliance, and the role of ethics in business practices.

**INTRODUCTION TO COMPUTER APPLICATIONS** (Grade 10, 11) One Year Course/ 1 credit

This course will introduce students to the essential skills needed in today’s technology-driven business world. Students will learn about basic computer hardware and software, as well as basic word processing and spreadsheet skills. This course is essential for students planning to enter the workforce or continue their education.

**ADVANCED BUSINESS APPLICATIONS** (Grade 10, 11) One Year Course/ 1 credit

This course is designed for students who have a strong foundation in basic computer applications. It will cover more advanced topics such as database management, project management, and more advanced spreadsheet functions. This course is recommended for students who plan to pursue careers in business or finance.

**BUSINESS PARTNERSHIP** (Grade 10, 11, 12) One Year Course/ 1 credit

This course covers the essential concepts of starting and running a business, including the legal and financial aspects of partnership agreements. Students will learn about the roles and responsibilities of partners, as well as the rights and obligations they have.

**HOTEL, TRAVEL, AND TOURISM INDUSTRY** (Grade 10, 11, 12) One Year Course/ 1 credit

This course introduces students to the hospitality industry, including the various roles and responsibilities of employees in the industry. Students will learn about the history and development of the industry, as well as the different types of hospitality businesses and their operations.

**INTRODUCTION TO BUSINESS (INTRO BUS)** (Grade 10, 11) One Year Course/ 1 credit

This course is designed to introduce students to the fundamental concepts of business. Students will learn about the different types of businesses, the role of business in society, and the importance of business ethics. This course will prepare students for more advanced business courses and for careers in business.

**INTRODUCTION TO COMPUTER BASIC (INTRO SOFT BUS)** (Grade 10, 11) One Semester Course/ ½ credit

This course introduces students to the basic concepts of computer hardware and software. Students will learn how to use common software applications and will be introduced to basic computer terminology.

**BUSINESS COMPUTER APPLICATIONS**

**COMPUTER LITERACY BASICS (COMP LIT BASICS)** (Grade 9, 10, 11, 12) One Semester Course/ ½ credit

This course covers the basics of computer literacy, including keyboarding, mouse usage, and basic software applications. It is designed for students who are new to computers or who need to refresh their skills.

**ADVANCED BUSINESS APPLICATIONS** (Grade 10, 11, 12) One Semester Course/ ½ credit

This course builds upon the concepts learned in Introduction to Business, covering more advanced topics such as financial management, business law, and ethical decision-making.

**ADVANCED BUSINESS APPLICATIONS** (Grade 10, 11, 12) One Year Course/ 1 credit

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**INTRODUCTION TO COMPUTER BASIC (INTRO SOFT BUS)** (Grade 10, 11) One Semester Course/ ½ credit

This course introduces students to the basic concepts of computer hardware and software. Students will learn how to use common software applications and will be introduced to basic computer terminology.
ment and additional reading throughout the year. This requires 10 hours work time before school begins. Prerequisite: Broadcast Video Production 10 or teacher approval.

**CONTTEMPORARY FILM ANALYSIS (CONTTEMP FILM)**

(Grade 12) One Semester Course/ ½ Credit

This course will focus critical literary judgment on the classic features of contemporary film with examination of the obvious characteristics of motion pictures such as plot and acting techniques, some of the technical aspects of films such as cinematography and special effects will be studied. History, trends, directors, and major stars will also be included in the course.

**CREATIVE WRITING (CREATIVE WRITING)**

(Grade 11, 12) One Semester Course/ ½ Credit

This course will focus on developing the skills and strategies necessary for growth in reading, writing, and oral communication. Emphasis will be placed on fiction and non-fiction texts in preparation for the Keystone exam.

**ENGLISH 9 A (ENG 9A)**

(Grade 9) One Semester Course/ ½ Credit

This course will focus on developing the skills and strategies necessary for growth in reading, writing, and oral communication. Emphasis will be placed on fiction and non-fiction texts in preparation for the Keystone exam.

**ENGLISH 9B (ENG 9B)**

(Grade 9) One Semester Course/ ½ Credit

This course will continue to develop skills acquired in Literature Foundations with emphasis on the reading process, the mechanics of grammatical usage and mechanics. Paragraph writing will be stressed.

**ENGLISH 9 COLLEGE PREP (ENG 9 CP)**

(Grade 9) One Year Course/ 1 Credit

This 9th grade college prep English course emphasizes correct grammatical usage and the mechanics of writing. Paragraph writing is reviewed after which the student writes longer compositions and eventually studies the process of creating a research paper. The student will then write a research paper. Extensive work in the study of literature is stressed, including the novel, the short story, mythology, drama, and poetry. Public speaking is introduced. Vocabulary study is stressed and free reading is encouraged.

**ENGLISH 9 HONORS (ENG 9H)**

(Grade 9) Full Year Course/1 Credit

This course is an extension of the college preparatory course. The emphasis here is on depth as well as breadth. Each student will be required to complete a summer reading program. The summer reading program will be curricular-based and an essay will be required during the first week of school on any readings that are offered. Students who do not complete/turn in summer reading assignments will be given a zero without an opportunity to make up the work.

**ENGLISH 10 A (ENG 10A)**

(Grade 10) Fall Semester Course/ ½ Credit

This course will prepare students for the Keystone Literature Exam at the end of the semester. Students will learn skills from all Common Core Standards – reading, speaking, listening, research, and writing. Fiction, non-fiction texts and poetry will be examined.

**ENGLISH 10 B (ENG 10B)**

(Grade 10) Fall Semester Course/ ½ Credit

This course will apply the skills acquired in Literature Foundations 10 with emphasis on the writing process, while also honing skills from all Common Core Standards. Paragraph writing will be stressed, along with the study of the novel, drama and the research process.

**ENGLISH 10 CP A (ENG 10CP A)**

(Grade 10) Fall Semester Course/ ½ Credit

This course will prepare students for the Keystone Literature Exam at the end of the semester. Students will learn skills from all Common Core Standards – reading, speaking, listening and writing. Students will be familiar with narrative, non-fiction, and poetry pieces of writing. Through oral communication, vocabulary, and an appreciation of literature in fiction and non-fiction texts, and poetry, students will prepare for college.

**ENGLISH 10 CP B (ENG 10CP B)**

(Grade 10) One Semester Course/ ½ Credit

This course will apply the skills acquired in Literature Foundations 10 with emphasis on the learning and development of critical thinking skills. There will also be an emphasis on the study of the novel and drama. A research project will be assigned.

**ENGLISH 10 HONORS A (ENG 10 HON A)**

(Grade 10) Fall Semester Course/ ½ Credit

This course will prepare students for the Keystone Literature Exam at the end of the semester. This is an extension of the college preparatory course. The emphasis here is on depth as well as breadth. Students will learn skills from the Common Core Standards – reading, speaking, listening, research, writing, and poetry, and will utilize projects, exams, classwork, and homework for assessment. Poe’s short stories, Fahrenheit 451, and The Crucible are examples of the types of literature found in this course.

**ENGLISH 11 CP - AMERICAN LIT (AM LIT CP)**

(Grade 11) One Semester Course/ ½ credit

This course offers junior college-prep students the opportunity to venture into the shadowy side of American Literature. Through a combination of writing and literature analysis, students will use the works of Poe and other famous American writers to analyze human and human behavior. This class is one semester long, and will utilize projects, exams, classwork, and homework for assessment. Poe’s short stories, Fahrenheit 451, and The Crucible are examples of the types of literature found in this course.

**ENGLISH 11 CP - MODERN LIT. (MOD LIT CP)**

(Grade 11) One Semester Course/ ½ credit

This course will be with the emphasis of the college preparatory course. The emphasis here is on depth as well as breadth. Each student will be required to complete a summer reading program. The Summer Reading Program will be curricular-based, and an essay will be required during the first week of school on any readings that are offered. Students who do not complete/turn in summer reading assignments will be given a zero without an opportunity to make up the work.

**ENGLISH 11 CP - ROMANTIC ERA LIT (ROM LIT)**

(Grade 11) One Semester Course/ ½ Credit

This course allows junior college prep students to continue their study of American literature. With a focus on literature such as The Great Gatsby, Emerson and Thoreau, and Stetneck named Desire, students will study the excitement of the new romantic philosophies of Romanticism, and the slums of 1940s New Orleans through writing and analysis. This class is one semester long, and will utilize projects, exams, classwork, and homework for assessment.

**ENGLISH 11 HONORS A (ENG 11 HON A)**

(Grade 11) Fall Semester Course/ ½ credit

This honors-level course will engage students in fiction prose written in a variety of periods, in the middle of which, we will develop skills in synthesis, analysis and argument. Each student will be required to complete a summer reading program, which will be curricular-based. An essay will be required during the first week of school on any readings that are assigned. Students who do not complete/turn in summer reading assignments will be given a zero without an opportunity to make up the work.

**ENGLISH 11 HONORS B (ENG 11 HON B)**

(Grade 11) Spring Semester Course/ ½ credit

This honors-level course will engage students in non-fiction prose written over various periods and disciplines. Students will study the connection among writer’s purpose, audience, and theme. Students will also develop writing skills in English 11 Honors 1 to create essays and research papers. Prerequisite: English 11 Honors 1.

**ENGLISH 11 KEYSTONE (ENG 11 KEY)**

(Grade 11) Fall Semester Course/ ½ Credit

This course is required for all 11th grade students who have not achieved a score of proficiency or advanced on the Keystone Literature Exam during their 10th grade year. (Students who are not proficient after the first re-test will also be required to complete a project in the spring.) This course will focus on the skills from all Common Core Standards – reading, speaking, listening, research and writing – in preparation for re-taking the Keystone Exam during the winter testing window.

**ENGLISH 12 (ENG 12)**

(Grade 12) Fall Semester Course/1 Credit

This course will focus on expository writing and research – in preparation for re-taking the Keystone Exam during the winter. Students will focus on work place skills, technical reading, and to be creative in all that we do. The Humanities Elective will give you the freedom to explore how art, religion, philosophy, music and literature have impacted the world in which we live. Techniques of learning include class projects, generative discussion, lectures, and speakers.

**ENGLISH COMPOSITION 101 (ENGLISH COMP 101)**

(Grade 12) One Semester Course/ ½ Credit

This course covers in detail some of the great classics of all time. Each student will discuss master plots of these classics in an attempt to be more familiar with the great writers and their works.

**HONORS CLASICAL STUDIES (HON CLASS STUDIES)**

(Grade 12) Full Year Course/1 Credit

This course will constitute a theoretical foundation in the Greco-Roman tradition, with some comparable studies pushed toward analysis of the human and metamorphosis of world perspectives. This course is NOT an elective, but is an Honors level English class with the aim of preparing students for college. This course is required, independent study students must use the text. The course includes individual and group projects, generative discussion, lectures, and speakers.

**HUMANITIES (HUM)**

(Grade 11, 12) Full year Course/1 Credit

The Humanities express and explore what it means to be human through words, ideas and images. They empower us to create our sense of identity and around that identity we can appreciate how the past has shaped the present, and to be creative in all that we do. The Humanities are central to a general education, and to preparing students for college. This course is required, independent study students must use the text. The course includes individual and group projects, class projects, generative discussion, lectures, and speakers.

**INTRODUCTION TO MASS MEDIA (INTRO MASS MEDIA)**

(Grade 11, 12) One semester Course/ ½ Credit

This course prepares students to become staff members of the print and/or online editions of the school newspaper and yearbook. Students will learn the history and opinion writing. Students will take and edit digital photographs, design pages, and complete projects for all school publications.

**NEWSPAPER PRODUCTION-HONORS (NEWSPAPER)**

(Grade 10, 11, 12) Full Year Course/ 1 Credit

Newspaper Production students will become staff writers, photographers and/or page editors of the student newspaper. The Talon. Students will be required to prepare the first issue prior to the start of the school year. Prerequisite: Introduction to Mass Media or teacher approval.
FAMILY AND CONSUMER SCIENCES (FAM CON SCI) (Grade 9-11) One Semester Course/ ½ Credit
In a course, you will be introduced to a variety of areas that will help you become a more responsible teenager and young adult within a diverse society. Learning concepts will be addressed: financial and resource management; work force preparedness and performance; budgeting of income, and family, work, and community decisions and your rights and obligations as a consumer; food safety and handling; and child development. Completion of this graduation requirement course will enable you to achieve a level of confidence in dealing with life's daily situations within family life, work and community responsibilities. Students will continue and complete a module in their ProjectLife career project. Scheduling conflicts in 10th grade: Family and Consumer Sciences can be taken in junior or senior year and the requirement can be fulfilled by taking both of the following courses:

Understanding Children and Living on Your Own

FOODS (FOODS) (Grade 9-11, 12) One Semester Course/ ½ Credit
Basic food preparation techniques will be learned and practiced with a variety of foods to prepare appetizers, soups, sauces, main dishes, and desserts. Nutrition foods for themselves, their families, and friends. A lab fee may be charged. This course is a prerequisite for International and American Cuisine.

ADVANCED HEALTH TOPICS (ADV MTH) (Grade 11-12) One Semester Course/ ½ Credit
This is a special advanced course for juniors and seniors in which the curriculum will challenge and enhance student awareness, prevention and strategies in the area of promoting and maintaining health. Students will be centered and students will use research, analysis and evaluation of the most current health issues. This course will help them focus on the health and fitness issues that they could take with them as they enter adult life. Prerequisite: Successful completion of a regular PE course with a B- or higher and success in Health and a B or higher.

GENERAL PE (GEN PE) (Grade 9-12) One Semester Course/ ½ Credit
All students will participate in and must pass a comprehensive co-educational physical education program. Course content includes: team activities, individual activities, aquatics, outdoor education, and fitness. Each student will also complete an individualized FITT project. Students must participate or become eligible to be able to take any of the electives. Students may repeat this course if there is no interest in the elective classes.

LIFETIME ACTIVITIES (LIF ACT) (Grade 10-12) One Semester Course/ ½ Credit
This education program is designed for students to experience fitness activities on an individualized basis. Course activities include, but are not limited to weight training, fitness walking, fitness activities, aquatics, yoga, aerobics, and small group/game activities. Prerequisite: Must have 70% or above in General PE class. Students may not repeat this course. This course counts as a ½ credit physical education graduation requirement.
Mathematics

AP CALCULUS AB (AP CALC AB)
Full Year Course/1 Credit
This Advanced Placement (AP) course in mathematics consists of a full high school academic year of work in calculus that is comparable to courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. Algebra 2 is a prerequisite for this course.

ALGEBRA 2 (ALG 2)
Full Year Course/1 Credit
This course will review and extend concepts developed in Algebra 1A or Algebra 1B and Algebra 1C. It is designed for students who have completed Algebra 1 or Algebra 1 CP. The course will review and extend the concepts developed in Algebra 1. Additional topics include matrices, the basic structure of polynomial rational expressions. Graphing calculators will be used in this course. Prerequisite: Successful completion of Algebra 1 CP and Algebra 1 CB.

PRE-CALCULUS-CP (PRE-CALC CP)
Full Year Course/1 Credit
This course is a survey of advanced algebra, trigonometry, and statistics. There will be a focus on solving, graphing, and evaluating quadratic, rational, radical, exponential, logarithmic, and trigonometric functions. A graphing calculator will be used in this course.

AP STATISTICS (AP STAT)
Full Year Course/1 Credit
This Advanced Placement (AP) course in mathematics consists of a full high school academic year of work in statistics that is comparable to courses in colleges and universities. It is expected that students who take an AP course in statistics will seek college credit, college placement, or both, from institutions of higher learning. Algebra 2 is a prerequisite for this course. This course may be taken concurrently.

ALGEBRA 2 - CP (ALG 2 CP)
Full Year Course/1 Credit
This course is designed for students who have successfully completed Algebra 1 CP. The course will review and extend the concepts developed in Algebra 1. Additional topics include matrices, the basic structure of polynomial rational expressions. Graphing calculators will be used in this course. Prerequisite: Successful completion of Algebra 1 CP and Algebra 1 CB.

AP CALCULUS BC (AP CALC BC)
Full Year Course/1 Credit
This Advanced Placement (AP) course in mathematics consists of a full high school academic year of work in calculus that is comparable to courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. Algebra 2 is a prerequisite for this course. This course may be taken concurrently.

ALGEBRA 2A (ALG 2A)
One Semester Course/ ½ Credit
This course is designed for students who have successfully completed Algebra 1A or Algebra 1B. The course will review and extend the concepts developed in Algebra 1. Additional topics include matrices, the basic structure of polynomial rational expressions. Graphing calculators will be used in this course. Prerequisite: Successful completion of Algebra 1 CP and Algebra 1 CB.

ALGEBRA 2B (ALG 2B)
One Semester Course/ ½ Credit
This course is designed for students who have successfully completed Algebra 1A or Algebra 1B. The course will review and extend the concepts developed in Algebra 1. Additional topics include matrices, the basic structure of polynomial rational expressions. Graphing calculators will be used in this course. Prerequisite: Successful completion of Algebra 1 CP and Algebra 1 CB.

AP STATISTICS (AP STAT)
Full Year Course/1 Credit
This course is an introduction to the use of the statistical operations and tests used in descriptive and inferential statistics. A graphing calculator will be required for all students enrolled in this course. This course may be taken concurrently.

AP CALCULUS BC (AP CALC BC)
Full Year Course/1 Credit
This course is a survey of advanced algebra, trigonometry, and statistics. There will be a focus on solving, graphing, and evaluating quadratic, rational, radical, exponential, logarithmic, and trigonometric functions. A graphing calculator will be used in this course.

AP CALCULUS AB (AP CALC AB)
Full Year Course/1 Credit
This Advanced Placement (AP) course in mathematics consists of a full high school academic year of work in calculus that is comparable to courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. Algebra 2 is a prerequisite for this course.

ALGEBRA 2 (ALG 2)
Full Year Course/1 Credit
This course will review and extend concepts developed in Algebra 1A, Algebra 1B, and Algebra 1C. It is designed to prepare students for college level work. A graphing calculator will be required for all students enrolled in this course. Prerequisite: Successful completion of Algebra 1 CP and Algebra 1 CB.

PRE-CALCULUS CP (PRE-CALC CP)
Full Year Course/1 Credit
This course is a survey of advanced algebra, trigonometry, and statistics. There will be a focus on solving, graphing, and evaluating quadratic, rational, radical, exponential, logarithmic, and trigonometric functions. A graphing calculator will be used in this course. This course may be taken concurrently.
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PRE-CALCULUS HONORS (PRE-CALC HON) Full Year Course/1 Credit
This course is designed to prepare a student to take calculus. It is appropriate for students who are interested in studying mathematics or mathe-
matics-related fields. Topics included are: co-
dinate geometry of points and lines, solutions to
linear and polynomial equations, complex number
theory, inequalities, functions, logarithms, polar
coordinates, circle and triangle trigono-
metry. Theory as well as application will be
discussed. Models and calculators will be our
tools as we use mathematics to solve real-world
problems and phenomena that occur in our world.
A graphing calculator will be required for all
students enrolled in the course. Successful
completion of Geometry Honors and Algebra 2 Honors or Geometry CP and Al
egebra 2 CP with a final grade of A- or higher
and teacher recommendation.

Mathematics - Computer Programming

ADVANCED COMPUTER SCIENCE TOPICS
HONORS (ADV COMP SCI TOP) (Grade 11, 12) One Semester Course/½ Credit
This course covers fundamental concepts in
programming such as higher-level data struc-
tures in both the C and Java programming lan-
guages, design and usability issues, discrete math,
and introduction to LOGO. It is recommended for
students who have successfully completed
the prerequisites:

Prerequisite: Successful completion of
Computer Science Foundations 2 with a final
grade of B or higher.

ALICE: PROGRAMMING VIA ANIMATION AND 3D VIRTUAL WORLDS (ALICE: ANIMA/3D
PROG) (Grade 9, 10, 11, 12) One Semester Course/½ Credit
This course uses a programming environment called Alice that allows students to learn
programming concepts such as looping, selection, and data struc-
tures, along with how to control objects (raise hands, flap wings, move, turn, spin, walk, etc.). At
the conclusion of the course, students will design and create a cognitive virtual world
of their choice.

AP COMPUTER SCIENCE A (AP COMP SCI A) (Grade 10, 11, 12) Full Year Course/1 Credit
This course is designed to prepare students for
the AP Computer Science “A” Exam. Main top-
ics include object-oriented design and theory, the Java programming language, and an
in-depth study of algorithms. The course contains
college-level material and will require inde-
pendent study and reading as well as strong
problem-solving skills. Students in this course
can volunteer to be enrolled in the College in
the High School program between Cedar Crest
High School and University of Pittsburgh. Pre-
requisite: Successful completion of Computer
Science Foundations 1 with a final grade of B or
higher for both the course and the cumulative
competency assessment.

AP COMPUTER SCIENCE PRINCIPLES (AP COMP SCI P) (Grade 11, 12) Full Year Course/1 Credit
This course is designed to prepare students for
the AP Computer Science Principles Exam.
It will focus on the innovative and creative
aspects of computing as well as information
theory, security and privacy issues, networks
and databases, manipulation of digital media and
algorithmic programming. It is recommended for
students who have successfully completed a
two-year course in math with final grades of B or
der higher.

COMPUTER SCIENCE FOUNDATIONS 1 (COMP
SCI FOUND 1) (Grade 9, 10, 11, 12) One Semester Course/½ Credit
This course will cover how computers work and how they can be used to find solutions to vari-
ous problems. Key topics will include creation and
analysis of algorithms, program design and funda-
mentational programming in the C program-
manship language. Prerequisite: Proficient typing
at least at a grade of B in Algebra 1.

COMPUTER SCIENCE FOUNDATIONS 2 (COMP
SCI FOUND 2) (Grade 9, 10, 11, 12) One Semester Course/½ Credit
This course will focus on problem analysis and
the continued development of algorithms and
computer programs in Java. Students in this
course may volunteer to be enrolled in the
College in the High School program between
Cedar Crest High School and University of Pitts-
burgh. Prerequisite: Successful completion of
Computer Science Foundations 1 with a final
grade of B or higher in the course and on the
cumulative competency assessment.

WEB SITE DESIGN & DEVELOPMENT (WEB DES) (Grade 9, 10, 11, 12) Full Year Course/1 Credit
This course will provide a basic understanding
of the methods and techniques used to
develop Web sites through the use of HTML,
JavaScript, and CSS. Students will be
introduced to basic design principles and learn
about web design. The students in this course
may volunteer to be enrolled in the College in
the High School program between Cedar Crest
High School and University of Pittsburgh. Prerequisite: Profi-
cient typing skills and at least a grade of B in
Algebra 1.

GERMAN 1 (GER 1) Full Year Course/1 Credit
Students will learn basic German vocabulary
to use in daily life and be able to communicate with
one another in the German language. Students
will be able to talk about themselves and ex-
expectations in the course. Ultimately, students
will demonstrate an under-

GERMAN 2 (GER 2) Full Year Course/1 Credit
Students will expand their conversational skills
as well as their reading and writing skills in Ger-
man. Their vocabulary will increase and their
language usage will be strengthened. Students
will continue to learn about the many aspects
of German culture.

GERMAN 3-HONORS (GER 3 HON) Full Year Course/1 Credit
Students will continue to expand their conversa-
tional skills as well as their reading and writ-
ing skills in German. They will continue to com-
pare and contrast their own culture with the
German culture. Students will communicate
85% of the time in German. The difference be-

GERMAN 4-HONORS (GER 4 HON) Full Year Course/1 Credit
Students will develop the ability to understand and commu-
nicate in German will be tested and challenged
through daily instruction held exclusively in the
German language. An emphasis will be placed on building students’ vocabulary and increas-
ing their conversational skills.

INTERMEDIATE COLLEGE SPANISH 1 (SPAN003) Full Year Course/1 Credit
Offered through University of Pittsburgh CIB Students who enter Spanish 003 will develop communicative proficiency. The course
combines content-based language instruction with
an interactive task-based approach. Therefore,
the entire course will be conducted in Span-
ish. Students will improve the four language
skills (reading, writing, speaking and listening)
through reading and listening activities, sentence
compositions, and short films. Students will ex-

guarding the knowledge of the Spanish-speaking
world and its people. Prerequisite = 3 years of
Spanish. To be taken as an alternative to honors
Spanish 4.

LATIN 1 (LAT 1) Full Year Course/1 Credit
Students will learn the Latin language with a
focus on the history of the language and its
evolution. They will continue to compare and
contrast their own culture with the Latin

LATIN 2 (LAT 2) Full Year Course/1 Credit
As a continuation of Latin 1, the course is de-
signed to develop further facility in vocabulary,
grammar, and pronunciation. Students will acquire
their ability to discern the gist of a passage independent of
grammatical analysis; and to acquaint the stu-
dent with the genius of the Roman institution
and the role of the Roman in society and civic responsibility
fundamental to the structure of Western civili-
zation.

LATIN 3-HONORS (LAT 3 HON) Full Year Course/1 Credit
Students will continue to expand their literacy
skills in Latin. Their vocabulary will increase
and they will demonstrate an understanding of
Latin culture.

LATIN 4-HONORS (LAT 4 HON) Full Year Course/1 Credit
Students will continue to develop their vocabu-

SPANISH 1 (SPAN 1) Full Year Course/1 Credit
Students will be able to engage in conversa-
tions and provide and obtain information,
express feelings and emotions, and exchange
opinions and information in Spanish. Students
will demonstrate an understanding of the na-
ture of the orchestra, and/or Jazz Band

SPANISH 2 (SPAN 2) Full Year Course/1 Credit
Students will expand their conversational skills
with the French culture. Students will continue to compare and contrast their own culture with the Italian language.

SPANISH 3-HONORS 3 (SPAN 3 HON) Full Year Course/1 Credit
Students will expand their conversational skills
with the French culture. They will continue to com-
pare and contrast their own culture with the French

SPANISH 4-HONORS 4 (SPAN 4 HON) Full Year Course/1 Credit
Students will continue to expand their reading
and writing skills as well as their conversational

BAND (BAND) (Grade 9, 10, 11, 12) Full Year Course/½ Credit
Open to any student in grades 9-12 with previ-
ous experience on a band instrument, or upon
approval of the Band Director. Marching Band
is a requirement of this course and serves as part
of the total Band experience. The Marching
Band will perform at all varsity football games, as
well as a minimum of two exhibitions during the
fall and two parades throughout the year. Band
Camp (late August) is mandatory for all members.
The Band will rehearse every day during the school day for one class period. Each rehearsal inside of the school day will be required during the Marching Band season. All performances of the band are mandatory. One unexcused absence from a performance will result in an unsatisfactory grade for the marking period. Students will receive a handbook and syll-
labus that describes in detail all of the rehearsal and performance requirements of the band, including expectations for academic work, performance for school related activities. All for-
mal attire for concerts (except shirt/blouse and
shoes) is provided by the school. This ensemble
will also perform at several pertinent, per-
formance adjudications each year.

Students must hold membership in the Band
to be eligible for Wind Ensemble, wind section of the Marching Band, and Jazz Band.
Prerequisite: Minimum final grade of 75% in or-
der to continue the next year as well as successful
completion of course/performance requirements.

Music
STUDENT COUNCIL (STUDENT COUNCIL) (Grade 9, 10, 11, 12) Full Year Course/1 credit

Prerequisites:
Prerequisites for student council leadership roles are based on leadership qualities, school involvement, and demonstrated commitment to service.

ACCOUNTING (ACCOUNTING) (Grade 10, 11, 12) Full Year Course/3 credits

Applications may be obtained at the start of the year. Prerequisite: Algebra 1 CP. This course is appropriate for any student majoring in business. Students will learn the basics of accounting principles, financial statements, and financial analysis. The course will also cover budgeting, forecasting, and financial planning.

CHEMISTRY 1 (CHEM 1) (Grade 10, 11, 12) Semester Course/1 credit

Successful completion of Chemistry 1 is required for any student planning to take Chemistry 2 or AP Chemistry. Students will learn about the properties of matter, chemical reactions, and the principles of stoichiometry. The course will also cover the periodic table, atomic structure, and chemical bonding.

CHEMISTRY 2 (CHEM 2) (Grade 10, 11, 12) Full Year Course/1 credit

This course is designed for students who have completed Chemistry 1. Students will learn about organic chemistry, biochemistry, and environmental chemistry. The course will also cover the principles of acid-base chemistry and equilibrium.

AP CHEMISTRY (AP CHEM) (Grade 11, 12) Full Year Course/1 credit

Prerequisite: Chemistry 2 CP. This course is designed for students who are planning to take AP Chemistry. Students will learn about advanced topics in chemistry, including thermodynamics, kinetics, and spectroscopy. The course will also cover the principles of quantum mechanics and quantum chemistry.

AP PHYSICS 1 (AP PHYS 1) (Grade 10, 11, 12) Full Year Course/1 credit

This course is designed for students who have completed Physics 1 CP. Students will learn about the principles of mechanics, including vectors, force, and motion. The course will also cover the principles of energy, work, and conservation.

AP PHYSICS 2 (AP PHYS 2) (Grade 10, 11, 12) Full Year Course/1 credit

This course is designed for students who have completed Physics 1 CP. Students will learn about the principles of electricity, magnetism, and waves. The course will also cover the principles of thermodynamics and statistical mechanics.

AP PHYSICS 3 (AP PHYS 3) (Grade 11, 12) Full Year Course/1 credit

This course is designed for students who have completed AP Physics 1 CP. Students will learn about advanced topics in physics, including quantum mechanics, relativity, and cosmology.

AP BIOLOGY (AP BIO) (Grade 11, 10, 12) Full Year Course/1 credit

This course is designed for students who have completed Biology 1 CP or with an AP recommendation from the biology teacher. Students will learn about the principles of genetics, evolution, and ecology. The course will also cover the principles of cellular biology and molecular biology.

AP ENVIRONMENTAL SCIENCE (AP ENV) (Grade 11, 12) Full Year Course/1 credit

This course is designed for students who have completed AP Biology or AP Chemistry. Students will learn about the principles of environmental science, including the principles of sustainability, conservation, and natural resource management. The course will also cover the principles of environmental policy and the role of science in decision-making.

AP STATISTICS (AP STAT) (Grade 10, 11, 12) Full Year Course/1 credit

This course is designed for students who have completed Algebra 2 CP. Students will learn about the principles of statistical inference, including hypothesis testing, regression analysis, and probability. The course will also cover the principles of data analysis and data visualization.

AP WORLD HISTORY (AP WH) (Grade 11, 12) Full Year Course/1 credit

This course is designed for students who have completed AP U.S. History or AP European History. Students will learn about the principles of world history, including the development of human societies, the rise and fall of empires, and the role of technology in shaping the world.

AP WORLD LANGUAGE (AP WL) (Grade 10, 11, 12) Full Year Course/1 credit

This course is designed for students who have completed AP Language and Composition. Students will learn about the principles of reading, writing, and speaking in a foreign language. The course will also cover the principles of cultural immersion and cultural exchange.

AP WORLD MATH (AP WM) (Grade 10, 11, 12) Full Year Course/1 credit

This course is designed for students who have completed AP Calculus AB or AP Calculus BC. Students will learn about the principles of advanced mathematics, including calculus, linear algebra, and differential equations. The course will also cover the principles of mathematical modeling and data analysis.
PHYSICS-COLLEGE PREP (PHYS CP)
(Grade 10,11,12) Full Year Course/1 Credit
This course introduces students to the study of physical and historical geology in topics in a lab intensive and hands on approach. Students will learn to think like geologists as they use evidence found in rocks and landscapes to determine to geologic story of an area over millions of years. Major topics of study include rock formation, rock and mineral identification, plate tectonics, earthquakes, volcanoes, fossils, the fossil record, the geologic timescale, and topographic maps.

INTRO TO HUMAN BIOLOGY
(Grade 10,12) One Semester Course/½ Credit
This course is designed to introduce students to the study of the interaction of human biology with the environment. Students will develop their own questions about meteorology and the atmosphere, and climate change. This class provides students with an understanding of the pattern and processes that have shaped Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also will learn about the major challenges that humans use in science and practice. This course is of value to students with an interest in a career in liberal arts or social sciences. Students who do complete/take in summer reading assignments will be given a zero without an opportunity to make up the work. This course may be taken in place of Gov.-Economics in Grade 11. Students are required to take the AP Human Geography exam as scheduled by the College Board.

AP GEOGRAPHY (AP HUM GEOGRAPHY)
(Grade 11,12) Full Year Course/1 Credit
The goal of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial con-
cepts and landscape analysis to examine human social organization and its environmental consequences. They also will learn about the major challenges that humans use in science and practice. This course is of value to students with an interest in a career in liberal arts or social sciences. Students who do complete/take in summer reading assignments will be given a zero without an opportunity to make up the work. This course may be taken in place of Gov.-Economics in Grade 11. Students are required to take the AP Human Geography exam as scheduled by the College Board.
and demand, prices and competition, business organization, national income accounting, fiscal and monetary policy and international economics. Enrichment activities will be presented and independent projects may be required.

GOVERNMENT GP (GOV GP)
(Grade 12) One Semester Course / ½ Credit
This is an introductory-level course that will concentrate on American government. Topics to be studied include foundations of government, the structure of federal, state, and local government, and political science topics such as political parties, political behavior, interest groups, and the electoral process. Enrichment activities will be presented and independent projects may be required.

INTRODUCTION TO GLOBAL STUDIES
(Grade 11, 12) Full Year Course/1 Credit (CHS Univ. of Pittsburgh)
Global Studies focuses on the interconnectedness of today’s world. This course will introduce students to international studies and to a global perspective. It is an open interdisciplinary course and will use the case study methodology to cover issues of global environmental, political, and cultural connections. Through various primary and secondary sources, students gain ways to understand the processes of globalization and their consequences. This course is concerned with transnational structures, processes, and interactions that cross familiar political borders and cultural boundaries and affect our social, economic, cultural, political and ecological environments. This course may be taken instead of World Cultures in Grade 11; however, this course may not be taken in place of Government and Economics in Grade 12 but as an elective.

PHOTOGRAPHY 1 (PHOTO 1)
(Grade 9, 10, 11, 12) One Semester Course / ½ Credit
Students will explore advanced techniques in photography such as camera techniques, lighting, color, composition, and independent projects will be required, along with substantial additional outside readings.

PHOTOGRAPHY 2/DIGITAL PHOTOGRAPHY
(Grade 10, 11, 12) One Semester Course / ½ Credit
PHOTOGRAPHY 2/DIGITAL PHOTOGRAPHY is a module-based program that allows students to explore technology and the six steps of problem solving. The course covers the communications, manufacturing, transportation, construction, and energy areas of engineering through hands-on activities. Modules cover topics such as scale drawing, CO2 dragsters, balsa wood gliders, bridge building, and other activities. Each project allows students to improve their problem-solving skills, which can be applied in other areas of education and in everyday decision-making.

PHOTOGRAPHY 3/SCREEN PRINTING PRODUCTION (PHOTO 3)
(Grade 10, 11, 12) One Semester Course / ½ Credit
This course is a prerequisite for Engineering/Design 1. The course examines political, economic, and social issues. The course does not have a particular emphasis on the role of photography in these issues. The course is designed to allow students to explore advanced techniques and principles involved in the areas of stencil printing and offset printing. The course will be divided into 18-week segments; one devoted to screen process printing and the other to offset printing. Prerequisite: Successful completion of Visual Communications 1.

PHOTOGRAPHY 4 DIGITAL PHOTOGRAPHY (PHOTO 4)
(Grade 10, 11, 12) One Semester Course / ½ Credit
Students will explore advanced techniques in shooting and editing digital photographs. Students will create and maintain digital photo albums, enrich their understanding of composition, use Photoshop to edit and enhance digital images. LAB FEE: $30 PER STUDENT. Prerequisite: Successful completion of Photography 1.

PHOTOGRAPHY 5/ENGINEERING (PHOTO 5)
(Grade 10, 11, 12) One Semester Course / ½ Credit
This seminar introduces students to the concept of engineering, design, and problem solving. The format of the course will have students working in teams to understand and complete design challenges. Students will research, design, build, and test solutions to real world problems that will come in the form of a “Design Challenge.” Students will learn how to carry out individual responsibilities within a group in order to reach a common goal. Communication, collaboration, and teamwork skills will be key to the success of each student taking this course. Math, science, and English skills will be reinforced heavily throughout this course. The goal is to have fun while learning how to problem solve!
**Carpentry/Residential Construction** (Grade 11 and 12) (3 Credits)

(1/2-DAY, 8:05 A.M. – 10:40 A.M. – YEAR ONE)

(1/2-DAY, 11:35 A.M. – 2:10 P.M. – YEAR TWO)

Carpentry students work on construction projects within the school and community. They learn skills including: transit and blueprint reading, selection of building materials and estimating, framing (floors, stairs, walls, and roof framing), and setting nails and using hand tools. They learn about windows and doors, roofing, interior and exterior finishing, concrete finishing, and foundations. Career opportunities range from a siding installer to a finish carpenter and may begin in high school with a Co-Op position providing job experience and a salary. The 500 employers in the Lebanon County Builders Association sponsor this class and may hire carpentry students who successfully complete the program. Students may receive seven college credits from HACC as well as credits from PA College of Technology and Thaddeus Stevens College of Technology.

**Computer Repair Technology** (Grade 11 and 12) (3 Credits)

(1/2-DAY, 8:05 A.M. – 10:40 A.M. – YEAR ONE)

(1/2-DAY, 11:35 A.M. – 2:10 P.M. – YEAR TWO)

Computer Repair Technology – Based on the industry standard CompTIA A+ Certification, students use the latest technology to learn how modern computer networks work. Here, students will complete several projects that address professional issues and determine best practices for the rapidly changing field. Mock interview and help desk scenarios help the “Soft Skills” needed for communicating face-to-face with customers. The course prepares the student for the CompTIA A+ certification test. Up to six college credits may be awarded by accredited colleges or technical schools upon completion of this CTC course.

**Diesel Truck Technology** (Grade 11 and 12) (3 Credits)

(1/2-DAY, 8:05 A.M. – 10:40 A.M. – YEAR ONE)

(1/2-DAY, 11:35 A.M. – 2:10 P.M. – YEAR TWO)

Diesel Truck Technology students restore late model over-the-road diesel truck-tractors to like new condition. Each year they refurbish or repair vehicles providing “hands-on” experience for students. Upon successful completion of the course, diesel mechanics students have the opportunity to experience parts of the Criminal Justice System through job shadowing or participate in community service projects. Career opportunities range from maintenance mechanic to fleet manager, and may begin in high school with a Co-Op position providing job experience and a salary. Employers in the Central State Motor Truck Association sponsor this program, provide student scholarships and employment opportunities. Students who successfully complete the program may receive seven college credits from HACC as well as credits from PA College of Technology and Thaddeus Stevens College of Technology.

**Law Enforcement and Security** (Grade 11 and 12) (3 Credits)

(1/2-DAY, 8:05 A.M. – 10:40 A.M. – YEAR ONE)

(1/2-DAY, 11:35 A.M. – 2:10 P.M. – YEAR TWO)

Law Enforcement and Security students develop investigation skills essential to careers in Criminal Justice (Police, Courts, and Corrections) and the ever-growing Private Security fields. They also have the opportunity to experience parts of the Criminal Justice System through job shadowing and experiences in the real world. The program emphasizes curriculum that covers a wide range of criminal justice topics such as: criminal procedures, crime photography, criminal investigations, criminal law, Bill of Rights/US Constitution, vehicle law, private security, report writing, and other topics. High school students may receive seven HACC college transfer credits from the University of Northwestern Ohio (UNOH) and Automotive Training Center.

**Electrical Technology** (Grade 11 and 12) (3 Credits)

(1/2-DAY, 8:05 A.M. – 10:40 A.M. – YEAR ONE)

(1/2-DAY, 11:35 A.M. – 2:10 P.M. – YEAR TWO)

Electrical Technology students design and install wiring, electrical power (Hydraulics and Pneumatics), and then perform troubleshooting and the operation of programmable logic controllers. Technical careers range from an electrician to a systems engineer and may begin in high school with a Co-Op position providing job experience and a salary. The 500 employers in the Lebanon County Builders Association sponsor this program, provide student scholarships and job opportunities. Students who successfully complete this program with a Co-Op position with the College-in-the-High School option may also participate with eight HACC college transferable credits.

**Industrial Machinery Technology** (Grade 11 and 12) (3 Credits)

(1/2-DAY, 8:05 A.M. – 10:40 A.M. – YEAR ONE)

(1/2-DAY, 11:35 A.M. – 2:10 P.M. – YEAR TWO)

Industrial Machinery Technology students manufacture precision parts in the school’s WINS (National Institute for Metalworking Skills) authorized training center. The curriculum provides in-school instruction on topics such as: quality control, industrial tooling, precision measurement, computer controlled machines (lathes/milling machines), and manual machines (saws/drills /grinders /lathes and milling machines). Career opportunities range from machine operator to tool and die maker or mechanical engineer and may begin in high school with a Co-Op position providing job experience and a salary. Students who successfully complete the program may receive seven college credits from HACC as well as credits from PA College of Technology and Thaddeus Stevens College of Technology.

**Elevator Maintenance** (Grade 11 and 12) (3 Credits)

(1/2-DAY, 8:05 A.M. – 10:40 A.M. – YEAR ONE)

(1/2-DAY, 11:35 A.M. – 2:10 P.M. – YEAR TWO)

Elevator Maintenance students are trained to maintain and repair elevators and escalators. We prepare the students for the important job of troubleshooting both hardware and software issues in a real-world environment. This course will equip the student to pass the Canadian Society for电梯的 Certifications ASME. Students who successfully complete the program may receive college credits. Students who successfully complete the program may receive seven college credits from HACC as well as credits from PA College of Technology and Thaddeus Stevens College of Technology.
Additional topics include: blueprint reading, site layout, estimating, building codes, and the use of computer software. Power tools and opportunity range from a mason’s helper to blocklayer, bricklayer, estimator, or construction supervisor and may begin in high school with a Co-op position providing work experience and opportunities. The 20 students in the Lebanon County Builders Association as well as the Pennsylvania Concrete Masonry Association sponsor this program, provide student scholarships and employ graduates.

A student who successfully completes this program may earn three college credits from HACC.

MEDICAL ASSISTANT (Grade 11, 12) (3 Credits) (FULL-DAY, 8:05 A.M. – 2:10 P.M. – YEAR ONE)

Medical assistants are professional, multi-skilled individuals who perform administrative and clinical activities under the direct supervision of a physician. This program includes study in anatomy and physiology, health insurance coding and billing, medical terminology, medical law and ethics, pharmacology, clinical and administrative skills, phlebotomy, laboratory tests, and performing and interpreting electrocardiograms.

NETWORK TECHNOLOGY (Grade 11 and 12) (3 Credits) (FULL-DAY, 8:05 A.M. – 10:40 A.M. – YEAR ONE)

The Computer Technology, Computer Networking Technology – in today’s high-tech environment, everything is networked!!! Following the CompTIA Network + Certification model, students will learn the features and functions of the network components including how to install, configure and troubleshoot basic networking hardware and protocols. CompTIA A+ Certification of this course will prepare students for entry-level jobs in computer networking or give them a boost as they continue their education while pursuing a career as a network administration network support technician, network administrator or network analyst. Fundamental topics to be covered include: The Foundations of Networking, the OSI Model, Network Layering, Network Cable, Wireless Communication, TCP/IP, WAN Devices, Security Issues and Disaster Recovery Training. The goal is for students to seek Network+ certification after completion of the course. Students who successfully complete the program may receive up to four college credits awarded by accredited colleges or technical schools.

PLUMBING, HEATING, AIR CONDITIONING (Grade 11 and 12) (6 Credits)

(6 Credits) (Grade 11, 12) (8:05 A.M. – 10:40 A.M. – YEAR ONE)

High school students interested in the plumbing, heating and air conditioning field may begin their training at the CTC in the Plumbing, Heating, and Air Conditioning program which is a Pennsylvania Builders Association Accredited program. The first year of this program at Pennsylvania College of Technology includes study in anatomy and physiology, health insurance coding and billing, medical terminology, medical law and ethics, pharmacology, clinical and administrative skills, phlebotomy, laboratory tests, and performing and interpreting electrocardiograms.

Eight CTC programs are offered for a full day, 8:05 A.M. – 2:10 P.M. The programs are open to students who successfully complete the program may earn college credits from Johnson & Wales, Westmoreland Community College, PA College of Technology, Harrisburg Area Community College, Art Institutes, and The Restaurant School at Walnut Hill College.

SPORTS THERAPY SCIENCES (Grade 12) (6 Credits) (FULL-DAY, 8:05 A.M. – 2:10 P.M.)

Sports Therapy Sciences students will gain knowledge of pre-participation health and fitness assessments to design individual exercise and rehabilitation programs. Our goal is to provide an education that will encourage our students to continue their studies in fields such as athletic training, physical therapy, occupational therapy and other health and fitness related fields. Our curriculum includes: human anatomy and physiology, medical terminology, basic first aid and CPR, injury management and personal training. At the conclusion of our program, each student will be eligible to take a personal training certification examination.
The Lebanon Early College Pathway with HACC allows qualified CCHS students to gain college credits through Advanced Placement (AP), HACC’s College in the High School (CHS) and Dual Enrollment (DEHS) programs. Students simultaneously enroll in coursework that fulfills high school graduation requirements and associate degree requirements at HACC. This program results in significant savings in time and tuition for today’s student.

How can I get started with the Early College Pathway?
Consult with your high school counselor to see if the Early College Pathway is right for you.

How do I enroll in the Early College Pathway?
1. Complete the HACC Application online.
2. Complete the HACC placement assessments.
3. Meet with a HACC academic advisor and your high school counselor.
4. Complete a HACC Enrollment Form.
5. Attend a New Student Orientation at HACC.
6. Pay your tuition and fees.
7. Take classes on campus or at your high school.

How does the Early College Pathway work?
Each student’s path at HACC may look different, depending on goals, skills and ability. At the start of the student’s enrollment in the Early College Pathway, this educational planning document will be used collaboratively with the high school counseling office and HACC’s academic advising department. This dual advising relationship is key to the student’s success in the program.

What is dual advising and why is it important?
To ensure maximum success, students should be advised both by HACC staff and the high school counseling office. This open, collaborative advising relationship can ensure that students are both selecting classes appropriate for HACC and suitable for application to high school graduation requirements.

For more information, contact the HACC Lebanon Campus at 717-270-4222.