

Hughesville High School



Spartan P.R.I.D.E.
Program of Studies
Grades 9 – 12
2023-2024
(Revision 08/23/23)

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I. PHILOSOPHY

The mission of the Hughesville Junior-Senior High School is to ensure that each student acquires and effectively uses the knowledge, skills, and behaviors necessary to be a productive member of our society both today and in the future.

The Hughesville High School must prepare our students to be successful in two or four year college programs, in the workplace, or in the military. When our students graduate, they will go on to one of these areas, and it is our mission to prepare them to succeed.

In order to achieve this mission, our curriculum is divided into three areas of concentration: honors, college prep, and careers. These areas are not exclusive of each other, i.e., a student in one preparatory area may take courses from any other preparatory area. Students receive a basic foundation in English, history, math, science, and physical education/health in the core subjects. The electives are to allow students to work in specific areas to broaden experience and knowledge over a shorter period of time.

II. COUNSELING SERVICES

The counseling staff at Hughesville High School provides basic counseling services to students within the junior and senior high school.

- A. A Personal Counseling Service finds the counselor using his or her psychological training to help students cope with their individual personal, social, and educational concerns. Parents, teachers, administrators, and students are consulted in individual cases. Strict confidentiality is held between student and counselor at all times.
- B. A Referral Service is offered by the counselor who uses the help of other professionals in the field such as psychiatrists, social workers, and juvenile probation officials to aid with a particularly difficult problem.
- C. An Assessment Service aids counseling personnel in collecting student data through testing and interpreting this data for teachers, parents, and students to aid students in making educational and career decisions.
- D. A Records Maintenance Service with a cumulative folder is kept on each student from the time he or she begins school in kindergarten until graduation. The counseling personnel handle requests for transmission of student records. The records are maintained in the high school vault. Records are available in the Counseling Office for view by parents.
- E. A Placement Service is broken down into two categories: Educational and Occupational. Educational placement pertains to assisting students in moving from high school to higher education. Occupational placement involves helping students with job availability.
- F. An Information Service is maintained by the counselor to provide students with current educational, personal-social, and occupational information, which may be of help to them. Career resources are available to assist students.
- G. A Career Coordinator is available for career planning and goal setting. The Career Coordinator also coordinates scholarship information.

III. SCHEDULING INFORMATION

All students of Hughesville High School have the responsibility of planning a yearly program of studies. This responsibility should not be taken lightly. While no amount of planning and/or doing assures a future, serious concern at this time may well provide the direction of the future. It is anticipated that as the individual schedule is prepared for its final submission, the student will have considered:

1. Past performances, current grades, abilities and interests.
2. The advice and counsel of parents, teachers, and counselors

Students will receive a course schedule in the summer. This schedule should be considered final. Sometimes a student's requested courses cannot be honored, nor are they appropriate. In these circumstances, changes may be made to the schedule to better meet the needs of the student. If a student chooses to request a schedule change, he or she will follow these guidelines:

Students may come to the Counseling Office to request a schedule change bearing in mind that not all requests can be honored due to certain variables. If a student requests to change a semester course, he or she must make that request within the first two weeks of the course. The request will be honored if feasible. After the two-week mark, no changes to elective courses will be permitted unless deemed necessary by the administration.

If a student requests to change a year-long, core course (Mathematics, Language Arts, Science, or Social Studies) or move from one level to another (AP to Academic, for example) the student must first discuss this with the teacher of the present course. In some cases, the student must also meet with the teacher of the requested course for approval and then secure parent permission. Verification of these permissions may occur via a phone conversation, an email, written document, and/or in person. A student must make his or her request within the first two weeks of the academic school year. After week two, no course changes will be permitted unless deemed necessary by the administration.

To assist the student during this period of planning, this booklet of course offerings has been prepared. It contains a listing and brief description of all course offerings for students in grades 9 through 12. Students will note if the course is mandatory or an elective by looking at the sample course selection sheet for each grade. Attention must further be given to planning an adequate schedule, which will satisfy graduation requirements.

To be eligible for graduation, by the end of the senior year, a student must have successfully completed a minimum of **25 credits** consisting of:

- English- 4 credits, at least 1 each year grades 9-12
- * Math-4 credits, at least 1 each year grades 9-12
- * Science-4 credits, at least 1 each year grades 9-12
- * Social Studies- 4 credits, at least 1 each year grades 9-12
- * Health and physical education- 1.5 credits
- * Elective courses

Every senior must schedule at least one of each of the core courses during his/her senior year.

***Please Note:** A minimum number of students in a section may need to be established. For example; class sizes under 15 may be subject to administrative approval.

Core Course Sequence (by Grade Level) and Educational Requirements

Grade 9	Grade 10	Grade 11	Grade 12
English (1.0 Credit)	English (1.0 Credit)	English (1.0 Credit)	English (1.0 Credit)
<ul style="list-style-type: none"> ● English 9 OR ● English 9 Honors 	<ul style="list-style-type: none"> ● English 10 OR ● English 10 Honors ● <i>Keystone Exam Required</i> 	<ul style="list-style-type: none"> ● English 11 OR ● English 11 Honors OR ● Literature and Film 	<ul style="list-style-type: none"> ● English 12 OR ● English 12 Honors OR ● Literature and Film OR ● AP English Literature & Composition
Mathematics (1.0 Credit)	Mathematics (1.0 Credit)	Mathematics (1.0 Credit)	Mathematics (1.0 Credit)
<ul style="list-style-type: none"> ● Algebra I (<i>Keystone Exam Required</i>) OR ● Geometry Honors 	<ul style="list-style-type: none"> ● Algebra 2 Honors OR ● Geometry 	<ul style="list-style-type: none"> ● Intermediate Algebra OR ● Algebra 2 OR ● Trigonometry/Elementary Function OR ● Technical Algebra and Trigonometry (LCCC) ● AP Statistics 	<ul style="list-style-type: none"> ● Technical Algebra and Trigonometry (LCCC) OR ● Trigonometry/Elementary Functions OR ● Intro to Basic Statistics ● Statistics OR ● AP Statistics OR ● AP Calculus AB
Social Studies	Social Studies	Social Studies	Social Studies

(1.0 Credit)	(1.0 Credit)	(1.0 Credit)	(1.0 Credit)
<ul style="list-style-type: none"> • Civics and Government OR • Civics and Government Honors 	<ul style="list-style-type: none"> • American History OR • American History Honors 	<ul style="list-style-type: none"> • Local History/Sociology OR • Economics OR • Psychology OR • You and the Law OR • AP US History OR • AP Government and Politics OR • AP Psychology 	<ul style="list-style-type: none"> • Local History/Sociology OR • Economics OR • Psychology OR • You and the Law OR • AP US History OR • AP Government and Politics OR • AP Psychology
Science (1.0 Credit)	Science (1.0 Credit)	Science (1.0 Credit)	Science (1.0 Credit)
<ul style="list-style-type: none"> • Biology OR • Biology Honors • <i>Keystone Exam Required</i> 	<ul style="list-style-type: none"> • Intro to Earth/Space Science OR • Ecology Honors OR • Anatomy and Physiology Honors OR • Chemistry Honors OR • Plant Biology • Conceptual Physics • Wave and Fluid Science 	<ul style="list-style-type: none"> • Intro to Earth Science/Space Science OR • Ecology Honors OR • Anatomy and Physiology OR • Chemistry Honors OR • Physics Honors OR • Conceptual Physics OR • Chemistry OR • Environmental Science OR • Organic Chemistry OR • Plant Biology OR • AP Biology OR • AP Chemistry OR • AP Environmental Science OR Wave and Fluid Science 	<ul style="list-style-type: none"> • Into to Earth/Space Science OR • Ecology Honors OR • Anatomy and Physiology OR • Chemistry Honors OR • Physics Honors OR • Conceptual Physics OR • Chemistry OR • Environmental Science OR Wave and Fluid Science • Organic Chemistry OR • Plant Biology OR • AP Biology OR • AP Chemistry OR • AP Environmental Science OR • AP Physics C
<p>Physical Education & Health - (1.5 Credits for Graduation; CTC students are exempt and must only take .5 credits) - Physical Education & Health is .5 credits Personal Wellness (.5 credit) can be substituted for any Physical Education & Health class.</p>			
<p>Other ELSD Graduation Requirements (Personal finance is required; CTC students are exempt)</p>			
		<ul style="list-style-type: none"> • Personal Finance 	<ul style="list-style-type: none"> • Personal Finance

IV. CAREER PATHWAYS

What are Career Pathways?

Each Career Pathway is a broad grouping of careers that share similar characteristics and have common employment requirements. A chosen Pathway focuses a student's courses toward preparing for a specific career goal area. Personal and Career Awareness is part of the Junior High experience. Career Pathway planning is an educational approach to course scheduling, which helps students focus their education toward career development. The five career pathways identified within this Course Planning and Course Description Guide are clusters of occupations or careers that are based on the national career clusters.

Why should I choose a career pathway?

- To create career awareness and encourage planning for post-secondary education and opportunities
- To provide knowledge that relates your high school education to the world after graduation
- To help focus on a career area that matches interests in high school
- To help set goals and discover classes necessary to achieve those goals

In a Career Pathway system, students choose a pathway that will prepare them for employment in the cluster that best fits their interests and abilities. Each career pathway represents a group of related occupations and industries represented in today's economy.

How should I use the Career Pathways information?

When scheduling, compare your course selections to your intended pathway to help you determine whether your choices meet your post high school goals. Get advice and help on your course selections from your parents, counselors, principal, and teachers.

Arts and Communications

Designed to develop students' awareness, interpretation, application, and production of visual, verbal, and written work. Careers in this pathway are linked to the humanities and include performing, visual, and literary arts as well as the communication media. Some occupations include those in creative writing, dance, editing, film, fine arts, graphic arts, journalism, modeling, music, photography, radio, telecommunications, theater, and translating.

Possible Career Areas:

Performing Arts	Visual/Graphic Arts
Publishing Arts	Journalism
Media	Telecommunication

Business/Information Management and Marketing

Designed to prepare students for careers in the world of business, finance, and information services. Careers in this pathway are in the fields of business and marketing. Some occupations include those in accounting, administrative support staff, advertising, computer science,

distribution, finance, insurance, international business, management, marketing research, merchandising, personnel, purchasing, real estate, sales and tourism.

Possible Career Areas:

Marketing Sales and Service	Accounting/Finance
Information Technology	Business Management
Merchandising	Marketing

Engineering/Industrial and Technological Sciences

Designed to develop students’ interests, awareness, and application to areas related to technologies necessary for design, development, installation, and maintenance of physical systems. Careers in this pathway are related to engineering, science, technology, construction, manufacturing, and transportation. Some occupations include airline pilots, archeologists, architects, assemblers, carpenters, drafters, engineers of all types, machinists, mechanics, scientists, tool and die makers, and truck drivers.

Possible Career Areas:

Engineering and Engineering Technology	Drafting and Design
Manufacturing--Machining	Architecture--Construction
Information Technology	Transportation, Distribution and Logistics

Health and Natural Resource Sciences

Designed to develop students’ interests in the life, physical and behavioral sciences. In addition, the planning, managing and providing of therapeutic services, diagnostic services, health information and biochemistry research development. Careers in this pathway are part of the health services field. They include occupations in hospital services, medical technology, medicine, nursing, optometry, pharmacy, psychiatry, psychology, therapy and others. Careers in this pathway are related to the environment and natural resources and include occupations in agribusiness, agriculture, animal science, veterinarian, forestry, horticulture, and wildlife management.

Possible Career Areas:

Health Science-Health Careers	Science and Technology
Manufacturing--Machining	Architecture--Construction
Hospital Services—Medical Technology	Agriculture, Food & Natural Resources

Human and Family Services

Designed to develop students’ interests, skills, and experiences for employment in careers related to familiar and human needs. Careers in this pathway are linked to family/consumer, economic, political and social systems. Some occupations in this career focus area include those in hospitality and recreation, public and community service, and the broad field of social services. Careers such as those in childcare, cosmetology, economics, education, fire protection, food service, government, history, hotel and restaurant services, law, law enforcement, the military, and recreation may be found in this career pathway.

Possible Career Areas:

Counseling and Personal Care	Education
Law, Public Safety and Government	Hospitality and Tourism
Social Services	Public and Community Service

V. PRIVATE TUTORING and ORIGINAL CREDIT

- A. Original credit may be earned by taking courses at Penn College, Williamsport High School, or at Hughesville High School (if offered) at parents' expense. All such courses must have administrative approval prior to the student's enrollment. The following hourly requirements must be met:
 - 1. 120 hours for full year, 1 credit course
 - 2. 60 hours for a semester, .5 credit course
- B. Remediation by private tutoring is available at the parent's expense. The tutor must be certified in the subject taught and must be approved by the administration. The following hourly requirements must be met:
 - 1. 45 hours for a full year, 1 credit course
 - 2. 22.5 hours for a semester, .5 credit course
 - 3. 30 hours for a Driver Safety Education course
 - 4. 27 hours for a grade 11 Health course
 - 5. 18 hours for a Physical Education course

VI. GPA / AP COURSES / DUAL ENROLLMENT COURSES

Grade Point Average is computed on a 100% weighted scale. All courses starting in grade 9 are computed to determine GPA and Class Rank. Grades are calculated according to the following scale:

- A – 95 to 100+
- B – 85 to 94
- C – 75 to 84
- D – 70 to 74
- F – 0 to 69

Coursework is ranked and weighted by the level of difficulty according to the following multipliers:

- AP Coursework – 1.2 weight
- Honors / Dual Enrollment Coursework - 1.2 weight
- Core College Prep Coursework – 1.1 weight

To allow for the wide variance of semester grades/credits' effect on GPA and class ranking, a student's GPA and class ranking will be printed on the report card according to the following schedule:

- Grade 9 - At the end of the year
- Grade 10 - At the end of each semester
- Grade 11 - At the end of each quarter
- Grade 12 - At the end of each quarter

Advanced Placement Courses

Advanced Placement courses are challenging, and the workload is demanding. Students are expected to read and write extensively and independently. All students are expected to work seriously toward the preparation of the AP Exams in May.

Dual Enrollment Courses

Hughesville High School offers several opportunities for students to earn college credit while attending high school. The courses are specified in the Program of Studies as dual enrollment courses. There are several benefits to earning college credit while attending high school with the cost and time saving topping the list. The courses are offered through The Pennsylvania College of Technology(PCT), Keystone College(KC), Mansfield University and Luzerne County Community College(LCCC). Students enrolled in the dual enrollment courses must pass the course with a “C” or better to earn the college credits.

The following are dual enrollment courses offered (College affiliation may change):

- Grade 12 English – Honors(LCCC)
- AP US History (PCT)
- AP Psychology (PCT)
- Anatomy and Physiology – Honors (PCT)
- Chemistry – Honors(PCT)
- Technical Algebra and Trigonometry(LCCC)
- AP Environmental Science (Final Approval is needed by Keystone College)
- AP English Literature and Composition(KC)
- AP Government and Politics(KC)
- AP Biology(KC)
- AP Calculus AB(KC)
- AP Chemistry(KC)
- AP Physics C(KC)
- AP Statistics(KC)
- Accounting 2(KC)
- Web Design (PCT)
- Independent Study (Mansfield)

There is no fee to take these Penn College courses to earn college credit. Students must pass the College’s Entrance Exams to be eligible for the college credit.

Keystone College \$100 per credit fee. (2017-2018 rates)

Luzerne County Community College fee is to be determined

All online courses through the ***Luzerne County Community College Early College Program*** are approved for our school. Juniors and Seniors may enroll in the college’s courses at LCCC.

Courses are accessible through LCCC website (<http://www.luzerne.edu/admissions/earlycollege/>).

There is currently a \$64.00/credit fee, a \$15.00 Early College fee, and a \$40.00 online fee (2017-2018 rates). Students are also responsible for textbooks, supplies, and/or access code fees required for the course(s).

Students may opt to take multiple dual enrolment courses, from any approved institution as their schedules permit, based on graduation requirements and prerequisites. Please meet with your counselor if you have any questions.

Luzerne County Community College Watontown Center

A dual enrollment program where students take college courses at the Greater Susquehanna Center in Watontown during the school day and receive college and high school credits. A list of courses and descriptions will be provided when available for students to sign up. Students in this program are required to cover all costs associated with the courses from LCC and are responsible for transportation to and from the center. This program will take up to 3 periods of time from a student's daily high school schedule and students are required to take one college course per semester. Talk to your guidance counselor for more information.

Dual Enrollment/Advanced Coursework Opportunities

Vendor	PCNow (Penn College of Technology)	Keystone College	Luzerne County Community College (LCCC)	LCCC
Nature of Course	School-based (at HHS)	School-based (at HHS)	Greater Susquehanna Center (Watontown)	Online or School-based (at HHS)
Weight of Course	1.2	1.2	1.2	1.2
Grade Levels Eligible	11 and 12 unless otherwise noted	11 and 12 unless otherwise noted	11 and 12	11 and 12
Other Requirements	Must pass PCT entrance exams	Some courses require final approval from Keystone College	Transportation	
Cost to student/family	District-sponsored (ELSD Education Foundation)	\$100 per credit Textbooks, supplies, access codes, etc.		\$64/credit fee \$15 Early College fee \$40 online fee
Courses	AP US History AP Psychology Anatomy & Physiology Honors Chemistry Honors	AP Enviro Science AP English Lit & Comp AP Government & Politics AP Biology AP Chemistry AP Physics C	TBD	English 12 Honors (School-based) Technical Algebra and Trigonometry All online courses offered through LCCC are approved for ELSD.

		AP Calculus AB AP Statistics Accounting 2		
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VII. THE DEPARTMENTS / COURSE DESCRIPTIONS

At the end of each course description is the Pathway that best aligns with that particular course.

The following key identifies the specific pathway:

AC	Arts and Communications
BMM	Business Management and Marketing
EITS	Engineering Industrial Technological Sciences
HNRS	Health, Natural Resource Sciences
HFS	Human and Family Services

ENGLISH

Course Title	Weight	Open to Grades	Course Information	Credits
English 9	1.1	9	Designed to develop reading, writing, thinking, and speaking skills.	1
English 9 Honors	1.2	9	Significant amount of independent reading, writing. Students expected to work at an accelerated pace.	1
English 10	1.1	10	Keystone Exam Required.	1
English 10 Honors	1.2	10	Keystone Exam Required.	1
English 11	1.1	11	Application of a wide range of reading strategies to comprehend, interpret, evaluate and analyze reading passages.	1
English 11 Honors	1.2	11	Accelerated course applying extensive writing and literary analysis.	1
English 12	1.1	12	Enhance reading, writing, and communication skills.	1
English 12 Honors	1.2	12	LCCC Dual Enrollment Course	1
AP English Literature and Composition	1.2	12	Keystone Dual Enrollment Course	1
Literature and Film	1.1	11,12	English elective full year course	1

Grade 9 English **#120**

Credit = 1 Weighted 1.1 Grade 9

The ninth grade academic English course is designed to develop reading, writing, thinking and speaking skills. The students will experience a wide variety of literature including fiction, non-fiction, poetic and dramatic selections, speaking/writing fundamentals and strategies will be emphasized for future education. Traditional grammar, mechanics, usage skills, vocabulary and reading comprehension strategies will be continued as part of the writing process in collaboration with research skills that will be explored and developed.

Pathway: AC, BMM, EITS, HNRS, HFS

Grade 9 English – Honors **#125**

Credit = 1 Weighted 1.2 Grade 9

The ninth grade honors English course is designed for the student who has excelled in English and reading. The emphasis of the course is placed on preparation for the Advanced Placement (AP) Program. The course is designed to cover English grammar and mechanics with an intense practice in various writing forms and assignments. The following literary genres, with intense literary analysis, such as the novel, the short story, poetry and drama will be considered, analyzed and compared. The course will demand a great deal of reading, writing, working independently and meeting deadlines. The students will be expected to work at an accelerated pace.

Pathway: AC, BMM, EITS, HNRS, HFS

Grade 10 English (Keystone Literature Exam required) **#130**

Credit = 1 Weighted 1.1 Grade 10

Semester one of 10th grade English will be divided into two nine-week segments. The first nine-week segment will focus exclusively on preparation for formal assessments such as the PSAT, the SAT and the ACT. Vocabulary, grammar, sentence completion, and reading comprehension strategies will be employed. The second nine weeks of semester one will emphasize the fundamentals of writing. Students will practice forms and styles of writings that will include; problem/solution, literature interpretation, persuasion, research essay, and profiles. In semester two this course will provide an overview of the literary genres such as: short story, drama, poetry, and the novel. Composition, (creative writing, expository, personal essays, and journal writing), literature based, vocabulary, and literary analysis will be emphasized. Literature will be approached through a thematic structure. The purpose of the class is to introduce the students to different themes often encountered in literature.

Pathway: AC, BMM, EITS, HNRS, HFS

Grade 10 English – Honors (Keystone Literature Exam required) #135
Credit = 1 Weighted 1.2 Grade 10

This course is a continuation of the Honors curriculum. The first nine-week segment will focus on preparation for formal assessments, such as the PSAT, the SAT, and the ACT. During the second nine weeks, writing forms and styles such as problem/solution, literature interpretation, persuasion, research, and profiles will be explored and expanded. During the second semester, this accelerated course will provide an overview of literary genres such as the short story, drama poetry, and the novel. Composition, literature based vocabulary, and literary analysis will be emphasized. Literature will be approached through a thematic structure. Independent reading and writing will be required. The purpose of this course is to introduce students to different themes often encountered in literature.

Pathway: AC, BMM, EITS, HNRS, HFS

Grade 11 English #138
Credit = 1 Weighted 1.1 Grade 11

Students will apply a wide range of reading strategies to comprehend, interpret, evaluate, and analyze reading passages and develop successful writing strategies. Materials for the course will include both fiction and non-fiction. Juniors will develop reading and writing skills, namely critical analysis and research writing, and independent reading skills needed in post high school education.

Pathway: AC, BMM, EITS, HNRS, HFS

Grade 11 English - Honors #140
Credit = 1 Weighted 1.2 Grade 11

This accelerated course is designed for juniors with emphasis placed on preparation for the Advanced Placement Exam in English Literature and the 12th grade AP English course. Extensive writing, especially literary analysis, is required. Emphasis is placed on developing literary analysis skills, grammar skills, writing skills, SAT practice, and vocabulary building. Much independent reading is required.

Pathway: AC, BMM, EITS, HNRS, HFS

Grade 12 English - Honors #148
Credit = 1 Weighted 1.2 Grade 12

Luzerne College Dual Enrollment Course:

The students in this class will practice close reading techniques and textual analysis. They will learn to identify and evaluate themes and literary devices as well as to gather multiple interpretations from a single text. The students will read and analyze different literary genres: novels, short stories, poetry, plays, mythology, autobiographies and memoir. In addition, students will learn proper note-taking techniques and will be capable of annotating any text as well as identify main ideas and pertinent information. The note-taking abilities will be strong enough to enrich the students' understanding of a piece of literature, prepare them for upcoming writing assignments and be able to organize and prioritize information. The students will be able to produce well-developed high school essays and college-level writing. Students will be able to plan and outline a text before writing

and discern between, and compose, expository, analytical, personal narrative and argumentative essays. Students will be able to peer edit one another's papers and incorporate feedback to improve work. Furthermore, the students will be able to conduct research for an essay, evaluate the research material and properly incorporate and cite the research using MLA and APA.

Pathway: AC, BMM, EITS, HNRS, HFS

Grade 12 English **#149**

Credit = 1 Weighted 1.1 Grade 12

The students in 12 th grade Academic English will practice close reading techniques, textual analysis and the identification of theme and literary devices. The reading portion of the class will place emphasis on the sophistication of what students read and the skill with which they read. The writing portion of the course will practice skills such as the ability to plan, revise, edit and publish. The students will focus on the importance of the writing-reading connection by drawing upon and writing about evidence from literary and informational texts. The language/speaking portion of the class will focus on the rules of standard written and spoken English.

Pathway: AC, BMM, EITS, HNRS, HFS

Literature and Film **#153**

Credit = 1 Weighted 1.1 Grades 11, 12

This course will allow students to explore major contributions to the development of motion pictures and examine the relationship between film and literature. Students will study film history and analyze both classic and contemporary versions through classroom discussions by examining the similarities and differences between film and literature, with a specific focus on the techniques used in adapting works into film. Students will become both more knowledgeable and appreciative readers and viewers by studying basic cinematic techniques and the different genres of film. This course will rely heavily on student analysis, discussion and research.

Advanced Placement English Literature and Composition **#160**

Credit = 1 Weighted 1.2 Grade 12

Keystone College Dual Enrollment Course

A major focus of this class is preparation for the Advanced Placement Exam in English Literature. Students will expand, through practice, literary analysis skills and AP Practice tests are utilized to determine strengths and needs. Timed writing, especially literary analysis, is required. The curriculum consists of British and World literature. Much independent reading is required. Students have the option to take the Advanced Placement test in English Literature at the end of the year.

Pathway: AC, BMM, EITS, HNRS, HFS

SOCIAL STUDIES

Course Title	Weight	Open to Grades	Course Information	Credits
Civics and Government	1.1	9	US History from 1763-1877	1
Civics and Government Honors	1.2	9	US History from 1763-1877 Research and writing required	1
American History	1.1	10	US History from Gilded Age to the modern era	1
American History Honors	1.2	10	US History from the Gilded Age to the modern era. Independent reading and writing required.	1
Local History/Sociology	1.1	11,12	Local history of Lycoming County and ELSD. Sociology of diverse cultures.	1
Economics	1.1	11,12	Micro and macroeconomics	1
Psychology	1.1	11,12	All aspects of human behavior	1
You and the Law	1.1	11,12	For students interested in career fields of law and/or criminal justice.	1
AP US History	1.2	11,12	Penn College Dual Enrollment Course	1
AP Government and Politics	1.2	11,12	Keystone Dual Enrollment Course	1

Civics and Government

#220

Credit = 1 Weighted 1.1 Grade 9

This course covers US history from 1763 to 1877. Topics include the American Revolution (1776–1783) and nation building (1783-1812) through the conflict of the Civil War and Reconstruction (1860 to 1877). Further units of study will explore the foundations of our federal, state, and local governments. This course aspires to instill patriotism and respect for law while making it relevant to today’s current affairs.

Pathway: AC, BMM, EITS, HNRS, HFS

Civics and Government - Honors **#221**

Credit = 1 Weighted 1.2 Grade 9

Research and writing, as well as independent reading assignments will be given to students. This course is designed for those students who would like to excel in their class work. This course covers US history from 1763 to 1877. Topics include the American Revolution (1776–1783) and nation building (1783-1812) through the conflict of the Civil War and Reconstruction (1860 to 1877). Further units of study will explore the foundations of our federal, state, and local governments. This course aspires to instill patriotism and respect for law while making it relevant to today's current affairs.

Pathway: AC, BMM, EITS, HNRS, HFS

American History **#230**

Credit= 1 Weighted 1.1 Grade 10

This course continues a student's path through US history, from the Gilded Age to the modern era. Among the topics included are: the Gilded Age, industrialization and unionism, World War I, the Roaring Twenties, the Great Depression, World War II, the Cold War, the 50's and 60's, the Vietnam War, and the post-Cold War world. Requirements of the course include written explanations, class participation, and topical classroom projects.

Pathway: AC, BMM, EITS, HNRS, HFS

American History - Honors **#235**

Credit = 1 Weighted 1.2 Grade 10

This course continues a student's path through US history, from the Gilded Age to the modern era. Among the topics included are: the Gilded Age, industrialization and unionism, World War I, the Roaring Twenties, the Great Depression, World War II, the Cold War, the 50's and 60's, the Vietnam War, and the post-Cold War world. Students at this level will be responsible for independent reading and assignments including written explanations, class participation, and topical classroom projects.

Pathway: AC, BMM, EITS, HNRS, HFS

Local History/Sociology **#246**

Credit: 1 Weighted 1.1 Grades 11, 12

This course explores a variety of topics related to the sociology of diverse cultures combined with studies in the local history of Lycoming County and the East Lycoming School District. In Local History studies, students will learn the history of our area through oral histories, guest speakers, and field trips.

Areas of study in Sociology include the nature of culture, conformity and deviance, role-relationships, and group interaction within society. Students will examine our social institutions such as family, education, marriage, and our changing communities in America. Specific topics will include Native Americans, Women's Rights, World Religions, Immigration, and the Holocaust. Students will discuss stereotypes and multicultural issues in our society, achieving a better understanding, appreciation and tolerance of people from various backgrounds.

Pathway: AC, BMM, EITS, HNRS, HFS

Economics **#248**

Credit: 1 Weighted 1.1 Grades 11, 12

This course is the study of microeconomics and macroeconomics. Microeconomics focuses upon how firms operate in various market structures. Macroeconomics is the study of economy wide problems such as growth, unemployment, and inflation. It includes the study of fiscal and monetary tools the government uses to stabilize the economy. This course is intended for students interested in developing their theoretical understanding of economics, for students looking to challenge themselves at the collegiate level. Included in the course are field trips to local firms and participation in the Economics Challenge competition sponsored by Economics Pennsylvania.

Pathway: AC, BMM, EITS, HNRS, HFS

Psychology **#254**

Credit: 1 Weighted 1.1 Grades 11, 12

Psychology introduces and discusses all aspects of human behavior including physiological, developmental, emotional and pathological behaviors. Topics discussed throughout the year are the history of psychology, altered states of consciousness, personality development, stress, conflict, disturbance and breakdown, treatment, motivation and emotion, testing and intelligence, and the life cycle.

Pathway: AC, BMM, EITS, HNRS, HFS

You and the Law **#255**

Credit = 1 Weighted 1.1 Grades 11, 12

This course is designed for students interested in the career fields of law and/or criminal justice. Topics include the adversary system, the Bill of Rights, the death penalty, the insanity defense, the history and structure of the police, the FBI, CIA, tort law, and the juvenile justice system. Visits to the Lycoming County Courthouse to view trials are a regular part of the course.

Pathway: BMM, HFS

Advanced Placement US History **#260**

Offered in the odd years

Penn College Dual Enrollment Course

Credit = 1 Weighted 1.2 Grades 11, 12

The AP History course is designed to prepare students to take the College Board Advanced Placement U.S. History examination. Topics discussed are: political institutions, public policy and behavior, social and economic change, diplomacy, and international relations. Historical periods range from Colonial Times to present. The development of analytical thinking, reading, and writing skills is stressed throughout the year. Students are encouraged to take the advanced placement test in US History at the end of the year.

Pathway: BMM, HFS

Advanced Placement Government and Politics **#261**

Credit = 1 Weighted 1.2 Grades 11, 12

Offered in the even years

Keystone College Dual Enrollment Course

AP US Government and Politics is an intensive study of the formal and informal structures of government and the process of the American political system, with an emphasis on policy-making and implementation. This course is designed to prepare students for the Advanced Placement exam.

Pathway: BMM, HFS

Advanced Placement Psychology **#262**

Penn College Dual Enrollment Course

Credit = 1 Weighted 1.2 Grades 11, 12

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Pathway: BMM, HFS

SCIENCE

Course Title	Weight	Open to Grades	Course Information	Credits
Biology	1.1	9	Keystone Biology Exam required.	1
Biology Honors	1.2	9	Keystone Biology Exam required.	1
Introduction to Earth and Space Science	1.1	10,11,12	History and science of our planet and neighboring systems.	1
Ecology Honors	1.2	10,11,12	Designed to enhance learning in the sciences.	1
Anatomy and Physiology Honors	1.2	11,12	Dual Enrollment Course.	1
Chemistry Honors	1.2	10,11,12	Dual Enrollment Course	1
Physics Honors	1.2	11,12	Concepts of Physics	1
Conceptual Physics	1.1	10,11,12	Basic Concepts in Physics	1
Chemistry	1.1	10,11,12	Basic concepts of chemistry.	1
Environmental Science	1.1	10,11,12	Study of patterns and processes in the natural world and their modification by human activity.	1
Wave and Fluid Science	1.1	11,12	The science of materials (solid, liquid & gas) and the way sound and light interact with our universe.	1
Organic Chemistry	1.2	11,12	Science elective Prereq: Successful completion of Chemistry	1
Plant Biology	1.1	11,12	Basics of arts and sciences of plant life.	1
AP Biology	1.2	11,12	Keystone Dual Enrollment Course	1
AP Chemistry	1.2	11,12	Keystone Dual Enrollment Course	1
AP Physics C	1.2	12	Keystone Dual Enrollment Course	1
AP Environmental	1.2	11,12	Keystone Dual Enrollment Course	1

Biology (Keystone Biology Exam required) #325

Credit = 1 Weighted 1.1 Grade 9

This course introduces students to the basic concepts of biology. The objective of this course is to provide the student with the basic principles of biology to include ecology, cell structure, genetics, classification, and an introduction to the anatomy and physiology of invertebrate and vertebrate animals. This course is designed to complete the Keystone Biology exam in May of the freshman year.

Pathway: AC, BMM, EITS, HNRS, HFS

Biology – Honors (Keystone Biology Exam required) #331

Credit = 1 Weighted 1.2 Grade 9

The objective of this course is to provide the student with the basic principles of biology to include ecology, cell structure, genetics, classification, and an introduction to the anatomy and physiology of invertebrate and vertebrate animals. Honors Biology is a rigorous course designed for those students who have a sincere interest in and anticipate further study of the sciences. Integration of technology in appropriate areas will be included. The course is designed to complete the Keystone Biology exam in May of the freshman year.

Pathway: AC, BMM, EITS, HNRS, HFS

Ecology – Honors #336

Credit = 1 Weighted 1.2 Grades 10, 11, 12

Ecology Honors is a course designed to enhance student's learning in the sciences. This course compliments others by emphasizing areas of study that are not focused upon such as: Evolution, Microbiology, Aquatic Ecology, and Terrestrial Ecology. The objective of Ecology Honors is to prepare students for their future pursuits in the sciences through academic exploration and laboratory exercises.

Pathway: HNRS, HFS

Anatomy and Physiology - Honors #337

Credit = 1 Weighted 1.2 Grades 11, 12

Penn College Dual Enrollment Course

This is a course of intensive study of the anatomy and physiology of the human body. Emphasis is placed on lab work, and complete dissection of a pig is an integral part of the program. Students will be considered for Anatomy and Physiology after successful completion of or concurrently taking Chemistry.

Pathway: HNRS, HFS

Chemistry – Honors #338

Credit = 1 Weighted 1.2 Grades 10, 11, 12

Penn College Dual Enrollment Course

Students will be considered for Chemistry Honors after they have completed Biology Honors. Students must have completed or be enrolled in Algebra 2 to take this course. This is an accelerated academic chemistry course with greater, in-depth coverage of those topics required for the Advanced Placement Chemistry course and examination. *Pathway: EITS, HNRS*

Physics - Honors **#339**

Credit = 1 Weighted 1.2 Grades 11, 12

This course will give students a thorough understanding of the basic concepts of physics. This course is designed for students who would like to investigate the motion of things through an analytical lens. Students will study the motion of objects and the related concepts of force and energy; a field of physics called mechanics. Included topics will be kinematics, dynamics, Newton's Laws, Force, Work, Energy Conservation, Impulse, Momentum, and Simple Harmonic Motion. Students will learn by completing hands-on experiences and analyzing the experience through probes and a lab journal. Students must have completed or be currently taking Algebra 2 prior to taking this course.

Pathway: EITS, HNRS

Conceptual Physics **#340C**

Credit = 1 Weighted 1.1 Grades 10, 11, 12

This course is designed for students who want to learn how physics applies to everyday life. This class is designed for students who would like to learn how the world moves around them without a large emphasis on math. Included topics will be speed & acceleration, Newton's laws, force, work, power, energy, impulse, momentum, and simple harmonic motion. Students will learn by using probes, building devices and experimenting to make observations about the way things move. Students will need to know basic algebra skills to solve problems.

Pathway: EITS, HNRS

Chemistry **#341**

Credit = 1 Weighted 1.1 Grades 10,11, 12

This course will give students a basic overview of the concepts of chemistry. Students will be given an introduction to matter and energy, including topics such as atomic structure, matter classification, chemical naming rules, formulas, as well as practical applications for everyday life. This course is a good introduction for all students to learn and apply chemical knowledge to other sciences.

Pathway: EITS, HNRS

Environmental Science **#345**

Credit = 1 Weighted 1.1 Grade 10, 11, 12

This course is the study of patterns and processes in the natural world and their modification by human activity. This is an introductory course for students who wish to study topics relating to ecology and the environment, its resources, quality and ethical issues. Topics covered include Environmental law and health, biodiversity and conservation, endangered and invasive species, and population dynamics. Topics will be explored using current events and research projects.

Pathway: EITS, HNRS, HFS

Organic Chemistry **#348**

Credit = 1 Weighted 1.2 Grades 11, 12

This course is an elective after successful completion of either Chemistry or AP Chemistry courses. Organic chemistry includes the study of aromatics, conformations, synthesis, and reaction mechanisms. In addition, large biomolecules, such as proteins, lipids, carbohydrates, and vitamins are discussed in the nutritional section of the course. Laboratory work focuses on an introduction to advanced techniques found in STEM-related careers.

Pathway: EITS, HNRS

Plant Biology **#349**

Credit = 1 Weighted 1.1 Grades 11, 12

This course teaches students the basics of the arts and sciences of plant life, including topics such as botany, plant propagation, genetics, taxonomy and diversity. Students will participate in various hands-on activities including composting, hydroponics, and raised bed gardening.

Pathway: AC, BMM, EITS, HNRS, HFS

Introduction to Earth and Space Science **#356**

Credit = 1 Weighted 1.1 Grades 10,11,12

This course will focus on the planetary systems of Earth. General topics of astronomy will cover galaxies, stars, and the solar system. Topics regarding earth science will include general concepts such as volcanoes, earthquakes, tectonic activity, climatology, and oceanic systems. Regional and local topics relevant to Pennsylvania will be covered as well, including weather, climate, groundwater, topography, rocks and mineralogy, mountain formations, and basic soil science. Certain topics of interest including surface water systems, agricultural impacts, polar ice cores, and petroleum science may also be explored.

Wave & Fluid Science **#357**

Credit = 1 Weighted 1.1 Grades 10, 11, 12

This course is designed for students who want to learn about the science of materials (solid, liquid & gas) and the way sound and light interact with our universe. This class is designed for students who would like to learn how matter interacts with our universe without a large emphasis on math. The topics covered include: Nature of Atoms, Phases of Matter, Heat, Waves, Sound and Light. Students will learn by using probes, completing experiments and watching demonstrations to make observations about matter in our universe. Students will need to know basic algebra skills to solve problems.

Advanced Placement Biology **#360**

Credit = 1 Weighted 1.2 Grades 11, 12

Keystone College Dual Enrollment Course

This course follows the AP Biology curriculum and is designed to prepare students for college level biology. Students are encouraged to take the advanced placement test in Biology at the end of the year. It is recommended students successfully complete Anatomy and Physiology prior to taking AP Biology. It is also recommended that a student has successfully completed chemistry or is concurrently enrolled.

Pathway: EITS, HNRS

Advanced Placement Chemistry **#361**

Credit = 1 Weighted 1.2 Grades 11, 12

Keystone College Dual Enrollment Course

This course is a second-year chemistry class to meet the requirements of the national curriculum. As it mirrors first-year collegiate chemistry, a more in-depth analysis of topics covered in introductory chemistry are done. Extensive work in kinetics, equilibrium, electrochemistry, and reaction mechanisms are included in this course. Lab work for this course is more technical and rigorous as well. Students are strongly encouraged to take the AP Chemistry test in May. It is recommended that students successfully complete Chemistry and Trigonometry prior to taking this course.

Pathway: EITS, HNRS

Advanced Placement Physics C **#362**

Credit = 1 Weighted 1.2 Grade 12

Keystone College Dual Enrollment Course

This is a calculus based physics course that is designed for the student interested in pursuing a degree in engineering and furthering their education as an engineering student at the college level. There is a strong emphasis on mechanics including the use of calculus to derive and evaluate some expressions. Students are encouraged to take the advanced placement test in Physics C at the end of the year. Concurrently taking AP Calculus AB is highly recommended.

Pathway: EITS, HNRS

Advanced Placement Environmental Science **#363**

Credit = 1 Weighted 1.2 Grades 11, 12

Keystone College Dual Enrollment Course (Pending Approval)

This course is designed to be the equivalent of a one-semester, introductory college course in environmental science. It is intended to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or

preventing them. A rigorous multidisciplinary study of chemistry, biology, geology and geography as it relates to the environment will also include labs and field studies. *Pathway: EITS, HNRS*

MATHEMATICS

Course Title	Weight	Open to Grades	Course Information	Credits
Algebra I	1.1	9	Keystone Algebra Exam required.	1
Intermediate Algebra	1.1	11	Foundations in elementary and intermediate algebra topics.	1
Algebra 2 Honors	1.2	10	Extensions of Algebra I	1
Algebra 2	1.1	11	Extensions of Algebra I	1
Geometry Honors	1.2	9	Algebra, Geometry, and Trigonometry	1
Geometry	1.1	10	Algebra, Geometry, and Trigonometry	1
Introduction to Basic Statistics	1.1	12	Introductory course on statistics	1
Technical Algebra and Trigonometry	1.2	12	Dual Enrollment Course.	1
Trigonometry/Elementary Functions	1.2	11,12	For students interested in pursuing a career in mathematics or engineering.	1
Statistics	1.1	12	Study of descriptive and inferential statistics.	1
AP Calculus AB	1.2	12	Keystone College Dual Enrollment	1
AP Statistics	1.2	11,12	Keystone College Dual Enrollment	1
Mathematics in sports A and B	1.1	11,12	Statistical analysis connected to sports	.5

Algebra 1 (Keystone Algebra I Exam required) **#420**
Credit = 1 Weighted 1.1 Grade 9

The Keystone Algebra 1 course will focus on building on the skills learned in 8th Grade Algebra 1 and extend these concepts into more advanced Algebraic standards. Students will review concepts covered in the 8th Grade Algebra 1 course and extend these concepts into the following topics: exponents and exponential functions, polynomial expressions and factoring, quadratic functions and equations, radical expressions and equations, rational expressions and equations, statistics and probability. Students will gain a solid foundation in algebraic concepts that will prepare them to be successful in other high school mathematics courses. At the end of this course, students will be required to take the Algebra 1 Keystone exam.

Pathway: AC, BMM, EITS, HNRS, HFS

Algebra 2 - Honors **#432**
Credit = 1 Weighted 1.2 Grade 10

This course will be an extension of the material learned in the Algebra 1 course. Some of the topics included in this course are operations with complex numbers, non-linear expressions, non-linear equations, patterns, relations, and functions, applications of functions, and data analysis. The functions in this course include quadratic, polynomial, rational, logarithmic, and exponential. Teachers will relate concepts to the eligible content on the Keystone exam.

Pathway: AC, BMM, EITS, HNRS, HFS

Algebra 2 **#434**
Credit = 1 Weighted 1.1 Grade 11

This course will be an extension of the material learned in the Algebra 1 course. Some of the topics included in this course are operations with complex numbers, non-linear expressions, non-linear equations, patterns, relations, and functions, applications of functions, and data analysis. The functions in this course include quadratic, polynomial, rational, logarithmic, and exponential. Teachers will relate concepts to the Pennsylvania State Standards, Assessment Anchors, and eligible content on the Keystone exam

Pathway: AC, BMM, EITS, HNRS, HFS

Geometry - Honors **#442**
Credit = 1 Weighted 1.2 Grade 9

In this course topics from algebra, geometry, and trigonometry are interwoven. Topics covered in this course may include angles, geometric proofs, coordinate geometry, properties of lines, properties of triangles, congruency, similarity, properties of polygons, trigonometry, area, perimeter, surface area and volume, and

properties of circles. Emphasis will be placed on student writing, critical thinking, and individual projects. All topics will be related to the Keystone exams.

Pathway: AC, BMM, EITS, HNRS, HFS

Geometry **#444**

Credit = 1 Weighted 1.1 Grade 10

In this course topics from algebra, geometry, and trigonometry are interwoven. Topics covered in this course may include angles, geometric proofs, coordinate geometry, properties of lines, properties of triangles, congruency, similarity, properties of polygons, trigonometry, area, perimeter, surface area and volume, and properties of circles.

Pathway: AC, BMM, EITS, HNRS, HFS

Intermediate Algebra **#447**

Credit = 1 Weighted 1.1 Grade 11

This course is designed for Juniors interested in enhancing their algebraic skills. Topics include linear functions, absolute value functions, radical functions, quadratic functions, and right triangle trigonometry. Completing Algebra 1 and Geometry before taking this course is recommended.

Pathway: AC, BMM, EITS, HNRS, HF

Technical Algebra and Trigonometry **#448**

Credit = 1 Weighted 1.2 Grade 12

Luzerne County Community College Dual Enrollment Course

A dual enrollment course that includes topics such as geometry, exponents, radicals, functions and graphs, quadratic equations, and systems of equations. A graphing calculator will be used for this course. Completion of Algebra 2 is recommended prior to taking this course.

Pathway: AC, BMM, EITS, HNRS, HFS

Trigonometry / Elementary Functions **#450**

Credit = 1 Weighted 1.2 Grades 11, 12

This course is intended for the student who is interested in pursuing a career in Mathematics or Engineering. This course begins with a review of the mathematical skills and concepts required for AP Calculus. Emphasis is placed on intuitive thinking, mastery of the graphing calculator, and problem solving. Topics covered in this course include graphs, polynomial and rational functions, trigonometric functions, exponential and logarithmic functions, limits, and basic derivatives.

Pathway: AC, BMM, EITS, HNRS, HFS

Introduction to Basic Statistics **#454**

Credit = 1 Weighted 1.1 Grade 11

An introductory course in statistics beginning with descriptive statistics, probability, inferential statistics, and making predictions. Binomial distributions, normal distributions, linear regression and correlation are applied to real life situations. A graphing calculator will be used in this course.

Pathway: AC, BMM, EITS, HNRS, HFS

Statistics **#455**

Credit = 1 Weighted 1.1 Grade 12

This course is the study of descriptive and inferential statistics. Students will learn how to describe current or past situations by displaying data using frequency distributions including tables and graphs; measures of central tendency including mean, median and mode; measures of dispersion including variance and standard deviation. Students will learn to predict future outcomes using sampling, estimation, hypothesis testing, and correlation and regression analysis. This course will extensively use the graphing calculator.

Pathway: AC, BMM, EITS, HNRS, HFS

Mathematics in Sports(A) and (B) **#458**

Credit = .5 Weighted 1.1 Grade 10,11,12

This course is intended for the student who is interested in sports and mathematics. Students will explore and analyze mathematical concepts that are seen in various athletic areas. Students will complete classwork and projects based on athletic contests. Emphasis is placed on statistical analysis, performance mechanics, and communication of mathematical connections. This course will include topics from basic statistics, algebra, Euclidean geometry, and trigonometry. Students must have successfully completed Algebra 1 to take this course.

Pathway: AC, BMM, EITS, HNRS, HFS

Advanced Placement Calculus AB **#460**

Credit = 1 Weighted 1.2 Grade 12

Keystone College Dual Enrollment Course

This class is a College Board accredited AP course. Topics include functions, graphs, limits, derivatives, and integrals. The course examines several applications of differentiation and integration such as slope, motion, area, and volume. A college-level textbook and graphing calculators are used extensively. Teachers will relate the concepts to the *AP Calculus Curriculum Guide* and will review previously released AP Exam material as preparation for the exam. Students are encouraged to take the advanced placement test in Calculus at the end of the year.

Pathway: AC, BMM, EITS, HNRS, HFS

Advanced Placement Statistics **#461**

Credit = 1 Weighted 1.2 Grades 11, 12

Keystone College Dual Enrollment Course

This course is designed for the highly motivated and competent math student who truly enjoys mathematics. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data, Planning a Study, Anticipating Patterns, and Statistical Inference. Students are

encouraged to take the advanced placement test in Statistics at the end of the year.
Pathway: AC, BMM, EITS, HNRS, HFS

WELLNESS / SAFETY EDUCATION

Course Title	Weight	Open to Grades	Course Information	Credits
Physical Education		9-12	Skill development, drills, and game play.	.5
		9	Health Topics: handling stress, decision-making, tobacco/alcohol/drug awareness.	
		10	Health Topics: Drivers' Education	
		11	Health Topics: First Aid and CPR (American Red Cross Certification - \$31.00 fee for certification).	
		12	Health Topics: First Aid and CPR (American Red Cross Certification - \$31.00 fee for certification).	
Personal Wellness		9-12	For the student who wants to find and design workouts tailored to their personal needs. *Will fulfill a Physical Education requirement. Tenth graders will NOT receive Drivers' Ed as part of this course.	.5

Physical Education 9-12 **#519**

Credit= .5

Grades 9,10,11,12

Students will be required to change their clothes to participate in a variety of activities. The activities will involve team sports focusing on skill development, drills and game play. An appreciation of teamwork and an understanding that every student has different skill levels and talents will be gained. Individual sports will also be covered along with lifetime fitness lessons.

Students in 9th Grade will receive health topic lessons during the semester. Some of these topics are living with feelings and handling stress, developing decision-making skills, protecting oneself and others from tobacco, alcohol and other drugs, and respecting healthy sexuality.

Students in 10th Grade will receive Drivers Education in the classroom during the semester.

Students in 11th Grade will receive First Aid and CPR training during the semester. This First Aid and CPR training will result in an American Red Cross

Certification that will last for 2 years. A fee of \$31.00 will be required to receive certification.

Students in 12th Grade will receive First Aid and CPR training during the semester. This First Aid and CPR training will result in an American Red Cross Certification that will last for 2 years. A fee of \$31.00 will be required to receive certification.

Personal Wellness 9-12 **#530**

Credit= .5 **Grades 9,10,11,12**

Personal Wellness class is for the student that wants to find and design workouts that will be tailored to their needs. The students will establish physical goals that they wish to meet by the end of the semester. The instructor and the student will plan workouts in order to meet those goals. Nutrition will also be a topic that will be covered in order to reach those goals. Personal Wellness will count as a .5 Physical Education credit. 10th Grade students will **not** receive Driver's Education during this semester course.

Lycy CTC Physical Education **#5CTCPE**

Credit= .5 **Grades 10,11,12**

This is a Physical Education class that is held for students that participate in the on campus Lycy CTC program. There is a morning, mid-afternoon and afternoon session. The students are required to change into sneakers and participate in a designated physical activity. Other topics include Career education, Health, Drivers Education, First Aid and CPR lessons.

FOREIGN LANGUAGE

Course Title	Weight	Open to Grades	Course Information	Credits
Spanish 1		9,10,11	Introductory Course.	1
Spanish 2		10,11,12	Continuation of Spanish 1	1
Spanish 3	1.1	11,12	Successful completion of Spanish 2 required.	1
Spanish 4	1.2	12	Dual Enrollment Course (pending)	1
French 1		9,10,11,12	Introductory Course	1

****In the classroom, Spanish is offered in a four-year sequence, beginning in 9th grade. Upper-classmen may elect to begin a foreign language in any year. All Spanish courses (I-IV) place an emphasis on speaking and all levels will be orally assessed using ACTFL scoring guides dependent on the level of study. Group work, to accommodate oral assessment, is required at all levels. All levels include a**

mandatory, online, Spanish-only component that involves listening to native speakers and follow-up exercises.

Spanish 1 **#621**

Credit = 1 Grades 9, 10, 11, 12

A general and introductory course to learn the basic fundamentals of Spanish. Students will be taught the foundations of the language: grammar, vocabulary and sentence structure. Students will learn the language through reading, writing, listening and speaking activities. Cultural topics (a study of Latin America and an introduction to the culture of Spain) will also be part of this course. It is recommended but not required that students have a “C” or better in their core English class to begin learning a world language.

Pathway: AC, BMM, EITS, HNRS, HFS

Spanish 2 **#622**

Credit = 1 Grades 10, 11, 12

Spanish 2 is a continuation of Spanish 1. Students will learn more complex grammar mechanics, build vocabulary, and continue to speak the language using real life scenarios. A cultural study of the ancient civilizations of Latin America is included in this course.

Pathway: AC, BMM, EITS, HNRS, HFS

Spanish 3 **#623**

Credit = 1 **Weighted 1.1** Grades 11, 12

This course is for students who have successfully completed Spanish 2. It is strongly recommended and encouraged that level three students attempt to speak only Spanish in class. A strong emphasis is placed on speaking, writing, and reading in Spanish. Students will learn more complex grammar structures and continue to build vocabulary. This course includes an introduction to Spanish art and history. Students will begin to research debate presentations. Listening logs are a required part of this course.

Pathway: AC, BMM, EITS, HNRS, HFS

Spanish 4 **#625**

Credit = 1 **Weighted 1.2** Grade 12

College Dual Enrollment Course pending

This course is taught almost entirely in Spanish and students are required to speak Spanish. Spanish 4 builds on the skills learned in Spanish 1-3. Students are expected to write weekly on assigned topics. This course continues the study of Spanish and Latin American history and art. Students will continue to improve their reading, writing and listening skills in Spanish. Students will also build on their previous knowledge of vocab and grammar structures.

Pathway: AC, BMM, EITS, HNRS, HFS

French 1

#626

Credit =1

Grade 9-12

This is an introductory course to learn the basics fundamentals of the French language.

COMPUTERS / TECHNOLOGY

Course Title	Weight	Open to Grades	Course Information	Credits
Computer Graphic Design		9,10,11,12	Utilizing the computer to produce and manipulate pictorial images.	.5
Multimedia		9,10,11,12	Making movies or short videos and understanding the production process of video editing and filming.	.5
Video Production		9,10,11,12	Make, record, edit, and publish the announcements; Live-streaming of school events.	.5
Web Page Design	1.2	10,11,12	Penn College Dual Enrollment Course	.5
Python Programming		9,10,11,12	General-purpose programming language used on any modern computer operating system.	.5
Animation		9,10,11,12	Design animations using computer applications	.5
AP Computer Science	1.2	10,11,12	Introductory college-level computing course.	1
Technology and Social Media		9,10,11,12	Basic concepts of software applications and internet information technology	.5
Introduction to computers and programming concepts		9,10,11,12	Basic introduction to computer and programming concepts	.5

Students need an ever-increasing understanding of technology in order to remain competitive in their careers. **Since these courses are available to students in grades 9-12, scheduling priority will be given to upperclassmen.**

Computer Graphic Design **#671**

Credit = .5 **Offered in the Even Years Only Grades 9, 10, 11, 12

Programs for Computer Graphics include applications in Adobe Creative Suites: Photoshop, Illustrator, InDesign. We will use a computer to produce and manipulate pictorial images. Also, create computer-generated images with help from specialized graphical software. Other Apps will be considered for remote learning, such as Pixlr, Paint, Jamboard. This course is offered for one (1) semester.
Pathway: AC, BMM, EITS, HNRS, HFS

Information Technology and Social Media **#672**

Credit = .5 **Offered in the Even Years Only Grades 9, 10, 11, 12

This course offers an introduction to the basic concepts of computer and software applications and Internet-related information technology and its impact on individual users, businesses, groups, organizations and society. Students will explore Microsoft Office and Google Suite applications to understand the importance of file management skills with Windows O/S and Chrome, web browser. Students will learn how to protect PII (Personable Identifiable Information) to keep them safe, while they learn basics of networking, using social media responsibly and cybersecurity, computer ethics. A goal is to understand communications, promote life-long learning with professional employment skills and understanding of soft skills for etiquette and proper netiquette.

Pathway: BMM

Multimedia **#674**

Credit = .5 **Offered in the Odd Years Only Grades 9, 10, 11, 12

The goal of this class is making movies or short videos and understanding the production process of video editing and filming. We will learn the basics of lighting, script writing, storyboarding and video-editing. Students will use camcorders to record their videos to create a story. The basics of film editing will be covered. We will use Adobe Premiere Pro and After Effects and possibly other video editing applications. The work may be used in conjunction with entering the PA Media and Communication Fair and or the Spartan news.

Pathway: AC, BMM, EITS, HNRS, HFS

Animation **#676**

Credit = .5 **Offered in the Even Years Only Grades 9, 10, 11, 12

The programs used for Animation include Adobe Creative Suites: Animate, Character Animate and Fuse. The basics of design and steps involved in creating and publishing their own designs. Students will learn how to design their own animations, including the walk cycle, classic tweens, motion tweens and nested animations. The students will learn to work with layers, action script, buttons,

symbols, music for creating their own authentic work. This course is typically offered for one (1) semester.

Pathway: AC, BMM, EITS, HNRS, HFS

Video Production **#677**

Credit = .5 **Grades 9,10, 11, 12**

The basic goal of this class is to make, record and edit and publish the announcements. We will be responsible for live-streaming school events (after-school hours), setting up the equipment to broadcast LIVE in the gym, football or soccer fields, auditorium, etc.. Students that are not on-air will be responsible for producing videos to be viewed during the news by the student body, administrators, parents, faculty and the community. This course is offered for one (1) period each semester. A knowledge of recording and editing videos will be very helpful.

Pathway: AC, BMM, EITS, HNRS, HFS

Web Page Design **#682**

Credit = .5 **Weighted 1.2** **Grades 10, 11, 12**

Penn College Dual Enrollment Course

This course is dual enrollment for PC Now students for Course number BWM150-Introduction to Web Page Development. Students will learn the basics of HTML and CSS through a web page development program with code-writing applications, such as Visual Studio Code. Web design is a process of conceptualizing, planning and building a collection of electronic files that determine the layout, colors, text styles, structure, graphics, images and use interactive features that deliver pages to any visitors to the web site. We may also use Adobe Dreamweaver, Code Academy, Google Sites or other applications and course materials.

Pathway: AC, BMM, EITS, HNRS, HFS

Python programming **#683**

Credit = .5 ****Offered in the Odd Years Only** **Grades 9, 10, 11,12**

Python is a general-purpose programming language that can be used on any modern computer operating system. It can be used for processing text, numbers, images, scientific data and just about anything else you might save on a computer. It is used daily in the operations of the Google search engine, the video-sharing website YouTube, NASA and the New York Stock Exchange, etc. The class will work toward understanding Python to develop games, apps, web pages, databases, etc.

Pathway: AC, BMM, EITS, HNRS, HFS

AP Computer Science (pending approval) **#685**

Credit = 1 **Weighted 1.2** **Grades 10, 11, 12**

AP Computer Science Principles is an introductory college-level computing course. Computers use program coding as an integral part of their function. Students will become familiar with the many different ways that computers lead the drive to find new innovations. Students will discover the benefits and harmful effects of

computing as well as the influence of innovative computer usage for economic, social and cultural landscapes. There will be an overview of various computing languages but the focus is more about theory and computer principles. Students will gain a better understanding of how computers think and how programmers look to solve problems of end-users of computers.

Pathway: AC, BMM, EITS, HNRS, HFS

Introduction to computers and programming concepts #690

Credit = .5 **Offered in the Odd Years Only Grades 9, 10, 11,12

This course is designed to introduce students to the principles of computers and how they communicate via programming languages and protocols. We will explore the nuts and bolts of hardware the computer uses to process, store, interpret and calculate all the data humans input. We will explore data communications, Internet, networking concepts, software applications, database, file management in addition to computer ethics, security protecting personal identifiable information (PII). We all are familiar with using computing devices from mobile phones to iPads/tablets, this course will assist with making you more familiar with planning and managing your comfort level to become a more efficient end-user as well as beginning programmer.

BUSINESS

Course Title	Weight	Open to Grades	Course Information	Credits
Personal Finance		9,10,11,12	Required for graduation	.5
Introduction to Business		9,10,11,12	Entry-level course for business careers.	.5
Management and Marketing		9,10,11,12	Basic skills in business management	.5
Business communication		9,10,11,12	Communicating in the modern business world	.5
Accounting 1	1.1	9,10,11,12	Basic principles of business accounting	1
Accounting 2	1.2	10,11,12	Keystone College Dual Enrollment Course.	1

Courses in the Business Education Department are elective for any student attending grades 9 through 12. Advanced courses have recommended prerequisites. It is important, therefore, that guidance be sought prior to course selection from members of the department and counseling office.

Personal Finance **#721**

Credit = .5 (Required for all students; CTC students are exempt) Grades 9,10,11, 12

This course covers in depth topics about personal finance. This course is intended to teach students skills and knowledge that they will certainly use throughout their lifetime. The important topics include but are not limited to: mortgages, student loans, college and major choice, career options, mutual funds, stocks, IRA's, 401Ks, 403Bs, company benefits, different types of debt, and more.

Pathway: AC, BMM, EITS, HNRS, HFS

Management and Marketing **#722**

Credit = .5 ****Offered in the Odd Years Only** Grades 9,10, 11, 12

This course is designed to teach students about business management responsibilities pertaining to financial management, human resource management, and production management. Students will explore marketing topics such as planning, pricing, distribution, advertising and selling of goods and services. This course will be facilitated through projects, individual and group presentations, guest speakers, and simulations.

Pathway: AC, BMM

Introduction to Business **#723**

Credit = .5 ****Offered in the Even Years Only** Grades 9 10, 11, 12

This course will be an entry-level course for business careers. Students will learn how to start their business by creating a business plan that details all aspects of the business world. Students will explore marketing topics such as planning, pricing, distribution, advertising, and selling goods and services. This course will be facilitated through projects, individual and group presentations, and the use of technology.

Pathway: AC, BMM, EIT

Accounting 1 **#730**

Credit = 1 **Weighted 1.1** Grades 9,10, 11, 12

This course includes the basic principles of financial accounting for business and non-business students so they can learn to make rational, reasoned, and intelligent decisions in a business environment. Accounting is the backbone of any business structure and highly recommended for any student considering a career in the business field. Accounting is one of the fastest growing business fields today.

Pathway: BMM

Accounting 2 **#737**

Credit= .5 **Weighted 1.2** **Grades 10, 11, 12**

Keystone College Dual Enrollment Course for students in grades 11, and 12

This course is recommended for students with a strong background in accounting.

Students will be trained in preparing financial statements for merchandising businesses organized as a corporation as well as learning about depreciation, financing, and company valuation. This course is strongly recommended for any student considering a career in the business field or accounting field.

Business Communication

#739

Credit =.5

Grades 9,10,11,12

Business Communication will provide students with communication principles, concepts, and techniques which are essential components for effective organizational behavior in oral and written communication situations. Emphasis is placed on the planning, organizing, composing, and revising of business documents such as letters, memos, reports, and emails. Presentation skills, professional behavior in the workplace, and current communication technologies are included with an emphasis on real world problem solving. Digital communication topics include presentation software, emails, business-relevant social media, and mobile technologies.

FINE ARTS

Course Title	Weight	Open to Grades	Course Information	Credits
Spartan Concert Band/Spartan Chorus		9,10,11,12	Students participate in both band and chorus for the entire year.	1
Spartan Concert Band		9,10,11,12	Most advanced instrumental group offered at HHS.	1
Senior High Spartan Chorus/Contemporary Chorus (1st and 2nd semester)		9,10,11,12	Students are encouraged to take both semesters. Fun and dynamic approach to singing a wide variety of music.	.5 (each semester)
Music Appreciation		9,10,11,12	Provide an appreciation of music by exploring music in two main phases - science of sound and interpretation.	.5
Fine Art Drawing		9,10,11,12	Drawing and design	.5
Fine Art Painting		9,10,11,12	Painting and printmaking.	.5
Sculpture and Mosaic *Offered odd years		9,10,11,12	Representational and abstract 3D art, contextual sculpture and the art of mosaic.	.5
Photography		9,10,11,12	Students will study photography as it exists in the realm of fine art.	.5
Jewelry Making *Offered even years		9,10,11,12	Create a wide variety of jewelry.	.5
Pottery		9,10,11,12	Pottery and ceramics.	.5
AP Studio Art		11,12	Requires a recommendation from the art teacher.	1

Music, instrumental or vocal development: For students interested in broadening their musical background, we offer two types of performing groups. The concert band is composed of instrumentalists while the high school chorus is composed of vocalists. Studying with an ensemble provides students with the opportunity to perform at an advanced level, develop personal musicianship skills, understand musical concepts and grow as a leader.

Visual Arts: Students will be instructed in various forms, styles, techniques, methods, and materials of visual art. These are studio-based courses that allow students to engage, explore and

elaborate upon various artistic styles and techniques through creative problem solving. Often, lessons reflect an historical, cultural, or commercial art context and projects may be adapted to individual student ability and skill levels. These courses are available to students as noted with priority given to upperclassmen.

Spartan Concert Band / Spartan Chorus #808

Credit = 1 Grades 9, 10, 11, 12

This course is designated for students who participate in both band and chorus for the entire year.

Pathway: AC, BMM, EITS, HNRS, HFS

Spartan Concert Band #811

Credit = 1 Grades 9, 10, 11, 12

The Spartan Concert Band is the most advanced instrumental group offered at Hughesville High School. Students will perform repertoire ranging from pop tunes, to classic band literature to Broadway show tunes in order to develop technique, musicianship and listening skills. As an instrumentalist, you will learn to perform advanced skills, maintain stage presence, critique performances and much more. The Concert Band typically performs two concerts with the potential to perform on field trips and provide membership in other “audition only” bands around the country. Anyone who plays a band instrument is welcome

Pathway: AC, BMM, EITS, HNRS, HFS

Senior High Spartan Chorus / Contemporary Chorus (1st semester) #812

Senior High Spartan Chorus / Contemporary Chorus (2nd semester) #816

Credit = .5 (each semester) Grades 9, 10, 11, 12

Students are encouraged to take both semesters of chorus.

Sr. High Spartan Chorus offers a fun and dynamic approach to singing a wide variety of music, including current musical selections. This course offers a contemporary and upbeat approach to choral singing utilizing the most up-to-date choral arrangements. Students will gain confidence through a better understanding of their vocal range and vocal technique. Sr. High Chorus also offers the opportunity for students to create memorable experiences. These experiences may include special performances and traveling to exciting destinations to perform. For more information please visit: www.spartanchorus.com

Pathway: AC, BMM, EITS, HNRS, HFS

Music Appreciation #825

Credit = .5 Grades 9, 10, 11, 12

This course will provide a high school level appreciation of music by exploring music in two main phases. The first half of the semester focuses on the science of sound, how music is structured, written and performed. The second half focuses on using this new found understanding to interpret music, explore different genres and study music history. Students will learn to read music, listen to musical examples, critique performances, study famous artists and develop a critical understanding of music’s role in society *Pathway: AC*

Fine Art Drawing **#831**

Credit = .5 Grades 9, 10, 11, 12

A course in drawing and design focusing on drawing techniques, methods, materials, conceptual development, and the use of the elements of design for creative expression.

Pathway: AC, EITS

Fine Art Painting **#832**

Credit = .5 Grades 9, 10, 11, 12

A course in painting and printmaking focusing on painting and printmaking techniques, methods, materials, conceptual development, and the use of the elements of design for creative expression.

Pathway: AC, BMM

Sculpture / Mosaic **#834**

Credit = .5 **Offered in the Odd Years Only Grades 9, 10, 11, 12

By viewing the work of traditional and modern sculptors, students will begin to see the broad range of work done in three dimensions. During the first quarter, our studies will focus on representational and abstract three-dimensional art, most likely in the mediums of soap, clay, plaster, and even repurposed items. During the quarter, students will experiment with contextual sculpture. In contextual works of sculpture the artist (or artists) addresses social issues and creates a work of art (often composed of found objects) that communicates aspects of the issue that go beyond traditional discourse. During the second quarter, students will explore the art of mosaic, gaining an overview of the historical and social contexts of this ancient art. They will produce several works of mosaic art, using primarily glass. However, other materials like broken dinnerware or tile, and even recycled items are available for enrichment activities.

Pathway: AC

Photography **#840**

Credit = .5 Grades 9, 10, 11, 12

Dealing solely with digital photography, students will study photography as it exists in the realm of fine art, photojournalism, and commercial advertising. Students will survey a variety of modern and historical photographers whose impact on the field has been significant and critically analyze their work, while considering the impact on their own work in photography. Students will learn the basic mechanics of photography, including using adjustments in the manual mode of their phone (through apps if needed) or a DSL camera. Additionally, students will understand how the basic elements of art and principles of design work together to create exceptional photography, and students will use Adobe Photoshop software to edit and enhance their photos. A final portfolio of student work is required, and all students are expected to utilize their phone or a classroom camera for work in this course.

Pathway: AC, BMM, EITS, HNRS, HFS

Jewelry Making **#850**

Credit = .5 ****Offered in the Even Years Only** Grades 9, 10, 11, 12

This studio course will allow students to create a wide variety of jewelry using beads, rivets, brass, copper, silver plated nickel, and bare or craft wire. At the end of the semester, students will transfer their skills into a work of art that exemplifies their notions of beauty through balance, motion, and suspension by studying the work of Alexander Calder and creating a mobile. Materials fee: \$10

Pathway: AC

Pottery **#859**

Credit = .5 Grades 9, 10, 11, 12

This is a course in pottery and ceramics focusing on methods of construction and glazing techniques, materials, and creativity. Conceptual development, craftsmanship and creative expression will be emphasized.

Pathway: AC

Advanced Placement Studio Art **#865**

Credit = 1 **Weighted 1.2** Grades 11, 12

Prerequisites = Recommendation of an art teacher. For the 2D Design Portfolio, students must have successfully completed Advertising Art and Illustration 833 or Fine Art Painting 832. For the Drawing Portfolio, students must have successfully completed Fine Art Drawing 831. The goal of this course is to explore a course of study unique to the student's design portfolio orientation, and produce and submit a portfolio that meets AP Studio Art standards. All students will submit the portfolio. While the teacher will be a resource and facilitator, students are expected to be largely self-directed in their practice and work ethic. Rigorous grading standards as per the AP guidelines will be applied and out of class work is expected.

Pathway: AC

CAREER AND TECHNICAL EDUCATION

Course Title	Weight	Open to Grades	Course Information	Credits
Introduction to Engineering		9,10,11,12	Provide students with a broad outline of engineering to aid in the decision of a possible career in engineering.	.5
Fundamentals of Entrepreneurship		9,10,11,12	Focuses on understanding basic entrepreneurship concepts	.5
Futures Seminar		9,10,11,12	Introductory career development course.	.5
Robotics Programming		9,10,11,12	Robotic technology from a beginning level to advanced level.	.5
Forensics - Crime Scene Investigation		9,10,11,12	History and importance of forensic science and explore career opportunities.	.5
Introduction to Health Professions		9,10,11,12	Explore careers in the Health field	.5
Medical Terminology		10,11,12	Background in the language of healthcare to students entering the career of healthcare.	.5
Lycoming Career and Technology Center				
Automotive Technology (2.0 hours/day)		10,11,12	Designed for students who would like to work in the automotive service industry.	2.5
Computer Service Technology (2.0 hours/day)		10,11,12	Informational Technology	2.5
Construction Technology (2.0 hours/day)		10,11,12	Provides opportunities to learn skills in the construction field.	2.5
Criminal Justice (2.0 hours/day)		10,11,12	For students interested in law enforcement or the military.	2.5
Culinary Arts (2.0 hours/day)		10,11,12	Prepares students for higher education in the food industry.	2.5
Early Childhood Education (2.0 hours/day)		10,11,12	Prepares students for employment in early childhood education and childcare services.	2.5

Health Careers (2.0 hours/day)		10,11,12	Learn about the world of health care in a hands-on environment.	2.5
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Introduction to Engineering **#909**

Credit = .5 **Grades 9, 10, 11, 12**

The goal of this course is to provide high school students with a broad outline of engineering to aid in the decision of a possible career in engineering. The course explores different disciplines of engineering and provides participants with a broad background in different areas of engineering. This course creates a foundation of problem-solving and life skills that can be utilized in post-secondary experiences.

Pathways: HNRS, HFS

Futures Seminar **#910**

Credit = .5 **Grade 9,10,11,12**

Futures Seminar is an introductory career development course designed to acquaint the students with our five Career Pathways and opportunities in the world of work. Students will be exploring various careers throughout the semester. The students will learn about and experience diverse, changing work and life roles, make lifestyle choices, budget time and money, and deal with career transitions.

Pathway: AC, BMM, EITS, HNRS, HFS

Robotics Programming **#912**

Credit = .5 **Grades 9, 10, 11, 12**

This course teaches students robotic technology from a beginning level to advanced level. The class is designed to provide a framework for learning anything from math and computer science to life skills such as teamwork, project management, problem solving, and critical thinking. Students will have the opportunity to build and program a variety of robots and possibly compete in competitions

Pathways: HNRS, HFS

Forensics – Crime Scene Investigation **#913**

Credit = .5 **Grades 9, 10, 11, 12**

In this Crime Scene Investigation course, students will learn the history and importance of forensics and explore career opportunities in the forensics area. Students will learn and work with the crime scene investigation process. Major areas of study include evidence collection and processing, sketching and photography, fingerprint classification and lifting, DNA as it relates to a crime scene, ballistics investigation, topics in death and decomposition, and how to maintain the proper chain of custody when processing evidence. The final exam for the course will be the processing of a mock crime scene.

Pathways: HNRS, HFS

Introduction to Health Professions **#913H**

Credit = .5

Grades 9,10,11,12

To enable students to explore and gain an understanding of the knowledge, skills, and attitudes essential to becoming a health professional.

Medical Terminology **#913M**

Credit = .5

Grades 10,11,12

To Provide a background in the language of healthcare to students who plan to enter the career in healthcare.

Fundamentals of Entrepreneurship **#914**

Credit = .5

Grades 9, 10, 11, 12

This course focuses on understanding basic entrepreneurial concepts, the entrepreneurial mindset, and developing entrepreneurial skills through hands-on learning. The course emphasizes the entrepreneurial process. Using design thinking, students will take an idea and develop it into an actual business model. This model will then be pitched to a real audience.

Online Dual Enrollment Opportunities
Young Scholar Early College Credit Program

Students may opt to take multiple online dual enrollment courses as electives. Regardless of the number of online courses taken, students will only receive .5 credit, weighted at 1.2, per semester when they are enrolled in courses #1001 or #1002.

Please Note: **Online Dual Enrollment courses may not replace HHS core courses.** See your counselor for more information.

Independent Online Course (1st semester) **#1001**

Credit = .5

Weighted 1.2

Grades 11, 12

Independent Online Course (2nd semester) **#1002**

Credit = .5

Weighted 1.2

Grades 11, 12

**Luzerne County Community College Greater Susquehanna Center in
Watsonstown**

A dual enrollment program where students take college courses at the Greater Susquehanna Center in Watsonstown during the school day and receive college and high school credits. A list of courses and descriptions will be provided when available for students to sign up. Students in this program are required to cover all costs associated with the courses from LCC and are responsible for transportation to and from the center. This program will take up to 3 periods of time from a student's daily high school schedule and students are required to take one college course per semester (Each course is 1 credit with a 1.2 weight). Talk to your guidance counselor for more information.

LYCOMING CAREER and TECHNOLOGY CENTER

***Please Note: Students admitted into the Lyco CTC must be in 10th, 11th, and 12th grade, have good academic, attendance, and behavioral standing. Students who are deficient in required courses will not be eligible to enroll in Lyco CTC classes.**

Lyco CTC Program Offerings

**Automotive Technology
Construction Technology
Culinary Arts
Computer Service Technology
Criminal Justice (Law Enforcement)
Early Childhood Education
Health Careers**

SPECIAL PROGRAMS

Diversified Occupations (Seniors Only)
Co-op Education Work Base Options
College Credit Options
Penn College Courses
Penn College Now Offerings

AUTOMOTIVE TECHNOLOGY – (2.0 hours/day) #CTC56

Credits = 2.5

If you are interested in cars and want to repair high tech vehicles, take a closer look at the Auto Tech program. This program, designed for students who would like to work in the automotive service industry, is certified by Automotive Service Excellence (ASE.) The Lyco CTC Automotive Technology Program follows the National Automotive Technicians Education Foundation (NATEF) guidelines. When you enroll in the program, you will learn about performance, computer electronics, engine and chassis diagnoses and repair. Through this program students may acquire a Pennsylvania Automotive State Inspection License, prepare for the Automotive Service Excellence (ASE) Certification, and complete SNAP-ON DVOM Training.

COMPUTER SERVICE TECHNOLOGY – (2.0 hours/day) #CTC45

Credits = 2.5

The field of Information Technology (IT) is broad and ever-changing. Students will be presented with a foundation of computer science concepts including electricity and electronics, computer hardware and operating systems, software applications and programming, networking and telecommunications and much more. Students will also be prepared and provided vouchers to take the CompTIA A+ (Core 1 & 2) and /or Network+ Certification Exam(s) if they so choose.

CONSTRUCTION TECHNOLOGY – (2.0 hours/day)

#CTC53

Credits = 2.5

This program provides students the opportunity to learn skills in the construction field such as: carpentry, masonry, electricity, plumbing, heating, and air conditioning. Students learn safety practices as they relate to using hand tools, power tools and performing tasks in the construction industry. *All students learn to use hand tools, power tools and the safety practices related to their use.*

CRIMINAL JUSTICE – (2.0 hours/day)

#CTC57

Credits = 2.5

The Criminal Justice program is available to high school students who are interested in law enforcement or the military. Through a combination of academic-based instruction and “hands-on” experience, students will acquire the basic skills needed to succeed in a related career field. Some of the areas studied include the criminal justice system, use of force, communication and report writing, patrol functions, crimes code and vehicle code, crime scene investigation, and physical education. The Criminal Justice program helps to prepare you for a career in private security, law enforcement, corrections, military, or to continue your post-high school education.

CULINARY ARTS – (2.0 hours/day)

#CTC51

Credits = 2.5

Did you ever wonder what it would be like being a chef working in a 5-star restaurant? What about being an executive chef working for a Food Service Corporation? Our program prepares you for higher education and gets you ready to attain your goals you have set for yourself. Our instructor will give you a jump-start on your career goals and help you receive your ServSafe certification.

EARLY CHILDHOOD EDUCATION – (2.0 hours/day)

#CTC40

Credits = 2.5

This program prepares students for employment in early childhood education and childcare services and provides the foundations for study in higher education that lead to early childhood educators and child related careers. The course of study includes but is not limited to: planning and guiding developmentally appropriate activities for young children; developmentally appropriate practices of guidance and discipline; application of basic health and safety principles when working with young children; overview of management and operation of licensed child care facilities and employability skills.

This course emphasizes learning experiences, which will help students gain knowledge and understanding of the intellectual, physical, social, and emotional development of children from conception to adolescence. The students will have opportunities to apply their understanding about children through participation, observation of children individually and in groups, and planning and evaluating group activities, which meet their needs. It includes instruction in child development and behavior, as well as observations and participation in an actual on-site preschool.

This course provides a solid base for students planning to enter the fields of Occupational Child Care, Paraeducator, or Elementary Education. *This program is located at the Ashkar Elementary School in Hughesville.*

HEALTH CAREERS – (2.0 hours/day)

#CTC64

Credit = 2.5

As the world of medicine and science changes and grows virtually every day, the number of jobs in the health field grows as well. Join the Health Careers program and learn about the exciting world of health care in a productive hands-on learning environment to gain a head-start in the health field. Learn about human anatomy, medical abbreviations and terminology, the skills required for lab and technical employment, and the behind-the-scenes work such as insurance billing and record keeping. The Health Careers Program offers students the opportunity to prepare for a variety of health occupations. Students learn basic health assistant skills in the theory and skills lab within the classroom. Whether you are college bound or seeking employment immediately upon high school graduation, this program will prepare you for a future in the health field. Completion of the Health Careers program is not just educational; the program leads students to rewarding careers in one of today's fastest growing job markets.

SPECIAL PROGRAMS

DIVERSIFIED OCCUPATIONS (720 hours/year)

#CTC70

Credit = 2.5

This senior only, one year program, resembles a traditional apprenticeship as students gain on the job experience in a career field not offered as a program at Lyco CTC.

WORK BASE OPTION

This third year/senior student opportunity allows students to get on the job training in their field at a co-op or internship placement.

COLLEGE CREDIT OPTIONS

This upper level opportunity is based out of the **Pennsylvania College of Technology** (Penn College) for students interested in earning college credits while in high school. Students can earn these credits by attending Penn College courses or by doing coursework at LycoCTC through the Penn College NOW (Dual Enrollment) Program. An agreement between Penn College and LycoCTC makes these courses available.

PENN COLLEGE NOW COURSE DESCRIPTIONS

Students who are in their third year of select Lyco CTC programs have the opportunity to participate in college courses taught at Lyco CTC. To participate students must be recommended by their instructor and pass all Pennsylvania College of Technology entrance requirements. Not all courses are offered every year.

Construction Technology Offers the following PC Now Options:

Construction Hand and Power Tools BCT103

Survey of hand and power tools typically used to perform construction work. Emphasis on the development of skills needed to effectively perform layout, measurement, cutting, fastening, and finishing operations. Study also includes maintenance of tools and equipment, safe use of hand and power tools, and emerging tool technology. 1 Credit (0 Lecture - 3 Lab)

Framing Principles BCT109

Theory and application of framing techniques in residential and light commercial construction. Emphasis on basic principles and skills used in hand and machine woodworking operations. 4 Credits (2 Lecture - 6 Lab) *Core requisite(s): BCT 102 and BCT103.*

Early Childhood Education Offers the following PC Now Options:

Child Development EDU100

Overview of typical growth and development of young children from birth to age eight. Cognitive, language, physical growth, gross and fine motor, emotional and social developmental milestones are the focus of this course, with a special emphasis on the implications they have for the care and education of young children. Other topics include an introduction to the basic concepts of major developmental theories; principles of learning and development; and developmentally appropriate practice. A strong focus on a family-centered approach is integrated throughout the course. 3 Credits (3 Lecture - 0 Lab)

Computers Service Technology Offers the following PC Now Options:

Introduction to Networking CIT171

Introduction to networking structure, terminology, current and emerging technologies, and the World Wide Web as an integrating framework. Topics covered include TCP/IP, Security Concepts, Wireless Networks, and Network Virtualization. Emphasis on applications of networking to the Web and Programming. (Formerly CIT 170) 3 Credits (3 Lecture - 0 Lab) *Prerequisite(s): MTH006 or Placement by Examination.*

PARENT INFORMATION

Parents of handicapped or disadvantaged students are urged to contact Hughesville High School if there are questions concerning assessment and enrollment in these vocational education opportunities. Please contact the Counseling Office at (570) 584-5111.

NON DISCRIMINATION POLICY

The East Lycoming School District does not discriminate on the basis of age, sex, handicap, race, religion, creed, national origin, veteran status or political affiliation. Inquiries concerning Title VI, IX Section 504, American Disabilities Act compliance should be directed to: Mrs. Heather Burke, Business Manager, 349 Cemetery Street, Hughesville, Pennsylvania 17737-1009, (570-584-2131).