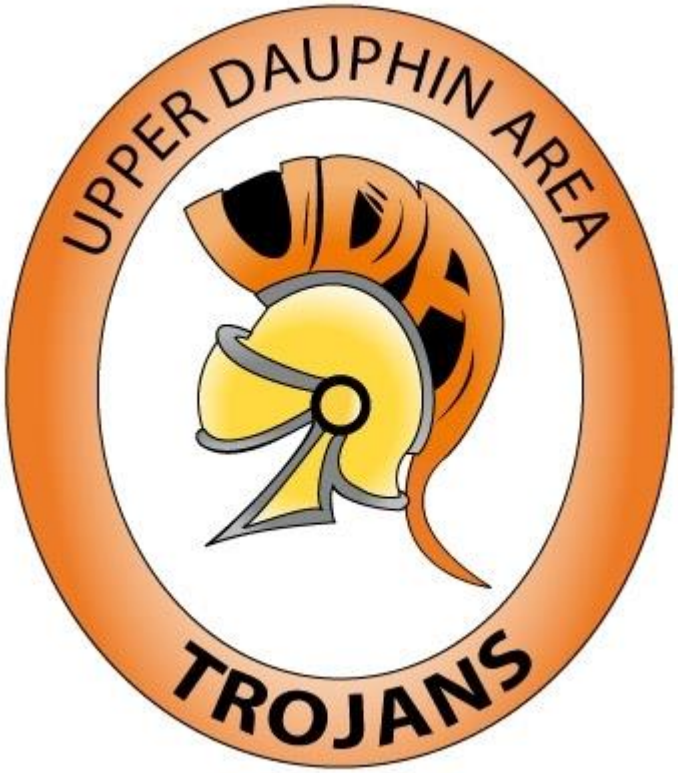
UPPER DAUPHIN AREA

HIGH SCHOOL

PROGRAM



OF STUDIES

2016 – 2017

UPPER DAUPHIN AREA HIGH SCHOOL

2016-2017

PROGRAM OF STUDIES

Board of School Directors
Mr. David Barder, President
Mr. Mills Eure, Vice President
Rev. Nathan Minnich
Mrs. Angela Mattern
Mrs. Roni Mace
Mrs. Kathryn Talhelm
Mr. Jack Laudenslager
Mr. Steve Welker
Mr. Kirk Wenrich

Administration
Mr. Evan P. Williams, Superintendent
Mr. Dermot M. Garrett, High School Principal

To All Students:

This program of studies guide has been developed for you by your teachers, guidance counselors, and the high school administration. We believe that you should plan your educational program carefully so as to increase your opportunities for success both during and after high school.

We urge you to read this booklet thoroughly and to share the information with your parents/guardians. Good decision-making depends upon being informed.

Should you need further assistance, please consult with your teachers and/or counselors.

TABLE OF CONTENTS

	Page
Student Record Sheet	1
Vocational Program Notification	2
Nondiscrimination Policy	2
Guidance Counselor Role(s)	3
Administration/Faculty/Staff	4
General Information	
Grading	5
Credits	5
Class Rank/GPA	6
Dual Enrollment	7
Scheduling Procedures	
Drop-Add Procedures	9
Graduation Requirements	10
Recommended Sequence of Courses	11
Course Descriptions	
English	13
Mathematics	16
Science	20
Social Studies	23
Business.	27
Information Technology	28
World Languages	31
Building Trades	33
Diversified Occupations	34
Wellness/Physical Education Electives	35
Family / Consumer Sciences	36
Industrial Arts	37
Art Department	38
Music Department	40
Agriculture and Natural Resources	43
Student Services	47
Driver Education	48
Listing of Course Selections	

Upper Dauphin Area High School
Elizabethville, PA

Name: _____

STUDENT RECORD SHEET OF SUBJECTS, GRADES & CREDITS

Use this paper to plan your program of study for each grade. Fill in the name of your elective subjects, the number of credits earned, and the final grades achieved.

KEEP THIS PAPER FOR FUTURE REFERENCE AND PLANNING

Grade 9

Course	Grade	Credit
English I	_____	1
Math	_____	1
Science - Biology	_____	1.5
Modern World History	_____	1
Wellness		1
Electives		2.5
_____	_____	
	_____	
Maximum Credits	=	8

Grade 10

Course	Grade	Credit
English II	_____	1
Math	_____	1
Science	_____	1
American History I	_____	1
Wellness		1
Presenting in the Digital World	_____	.50
Electives		
_____	_____	2.50
Maximum Credits	=	8

Grade 11

Course	Grade	Credit
English III	_____	1
Math		1
	_____	
Science	_____	1
American History II		1
	_____	
Wellness		.5
Electives	_____	3.50
Maximum Credits	=	8

Grade 12

Course	Grade	Credit
English IV	_____	1
Social Studies Elective		1
	_____	
Math		1
Electives	_____	5
Maximum Credits		= 8

UPPER DAUPHIN AREA HIGH SCHOOL
VOCATIONAL PROGRAM OFFERINGS

Special Announcement
Annual Notification

Vocational Programs:

Agriculture and Natural Resources
Diversified Occupations
Construction Trades

Vocational Courses:

Please contact the high school for course offerings. Information will be presented to meet needs of individuals with hearing or vision impairments.

Admissions/Eligibility Criteria:

The only admissions/eligibility criteria would be present grade enrolled, previous courses taken and previous grades for acceptance to take some classes.

Coordinators:

Title IX (Sex Equity) – Mary Bateman – 362-6547
Upper Dauphin Area School District
5668 State Route 209
Lykens, PA 17048

Section 504 – (Handicap and Physical Barriers) – Leashay Leitzel – 362-6573
Upper Dauphin Area High School
220 North Church Street
Elizabethville, PA 17023

NONDISCRIMINATION POLICY

The Upper Dauphin Area School District is an equal opportunity education institution and will not discriminate in its educational programs, activities, or employment practices on the basis of race, color, national origin, sex, age, religion, ancestry, disability, union membership or other legally protected classification. Announcement of this policy is in accordance with state and federal laws, including Title VI, Title IX, Section 504 and the Americans with Disabilities Act.

For information regarding 1) civil rights, 2) grievance procedures, 3) service, activities and facilities that are accessible to and usable by disabled persons, or 4) employee or participant complaints of harassment or discrimination, contact Mr. Evan Williams, The Section 504 Compliance Office, 5668 State Route 209, Lykens, PA 17048. For Title IX (Sex Equity) issues please contact Mary Bateman (362-6547) (Title IX Coordinator) for information at the same address.

The Federal Drug-Free Workplace Act requires that our workplace be totally free of the illegal use of drugs and requires that we issue the following statement: No one is allowed to use, make, sell, distribute or have in his/her possession any illegal drugs. Any violation of the Act will lead to severe disciplinary action, which will normally include dismissal.

UDA HIGH SCHOOL LIBRARY

It is the mission of the UDA school libraries to support and enrich existing content areas in addition to promoting literacy in an environment conducive to life-long learning

The librarian strives to offer an effective library program that provides appropriate, accurate and current resources in all formats to meet the needs of the school community.

The library and its resources are an integral part of all content area curriculums. We are committed to the process of collaboration, where librarians work closely with classroom teachers to design authentic learning tasks that integrate information literacy skills with subject matter standards.

The school librarian provides leadership and expertise in acquiring and evaluating information resources in all formats; brings awareness of information issues into collaborative relationships with teachers, administration, students, and others; and models strategies for locating, accessing and evaluating information within and beyond the library.

The library offers an open flexible schedule in which the librarian, the facility and its resources are available to students and teachers on an as-needed basis.

SCHOOL COUNSELOR ROLE STATEMENT

The high school counseling department implements a team approach to integrating counseling within the school curriculum. The counselors collaborate with administrators, faculty and parents to ensure positive social and academic development for all students. The role of the counselor is to guide, advise, recommend, consult, and assist with the nearly limitless variety of concerns that students, parents, school staff, and the community may have. Specifically, the thrust of the counseling program at Upper Dauphin Area High School is defined by three major goals:

1. Students will exhibit personal and academic growth. Students will learn how to cope with stress, how to study, and how classroom behavior affects academic achievement. Counselors work with parents and school staff to ensure that students are reaching their personal and academic potential.

2. Students will develop effective educational and career decision-making skills. The counseling department utilizes a variety of programs to promote career development such as interest inventory testing, PSAT testing, career inventories, college and vocational mini-fair, alumni-breakfast with panel discussions, individual counseling and assessment, as well as career- focused classroom guidance sessions. Students are encouraged to visit the career library to learn more about college and vocational school programs.

3. Students will develop interpersonal skills such as learning how to resolve conflicts. Counselors help students develop communication skills to empower them to make their own healthy decisions. Individual counseling sessions are supplemented by group and classroom guidance counseling sessions.

HIGH SCHOOL FACULTY AND STAFF

Todd Ayers	Science
Ruthanna Bordner	PCA Personal Care Assistant
Bryan Buddock	Industrial Arts
Katie Burian	Family & Consumer Science/Mathematics
Shelli Casner	Business/Computer
Elaine Cramer	Instrumental Music, Humanities/Vocal Music
Janet Denlinger	Library
Mark Dietrich	Agri-Science
Fran Eure	Inclusion Support Aide
Eric Fite	English
Dermot Garrett	High School Principal
Russ Gavalis	Mathematics
Amy Gehring	English
Clint Gehring	Special Education Teacher
Bridget Glunz-Wenner	Life Skills Support Teacher
Jesse Heath	Science/Mathematics
Amy Heinbach	Counselor
Craig Henninger	Social Studies
Lisa Hoffman	PCA Personal Care Assistant
Jan Hoffner	Mathematics
Elizabeth Kopp	Life Skills Support Aide
Beverly Koppenhaver	PCA Personal Care Assistant
Scott Kreiser	Building Trades
Leashay Leitzel	Student Services Director
Dana Lomma	Spanish
Roy Maurer	Agri-Science
Robert Miller	Art, Humanities
Cynthia Minnich	English
Lora Nestor	Counselor
Jackie O'Neill	Inclusion Support Aide
Chris Paul	Inclusion Support Aide
Jane Pianovich	Nurse
Emily Renn	Mathematics
Richard Rogers	French/German
Brooke Runkle	Special Education Teacher
Todd Rupp	Business/Computer
David Savidge	Cooperative Education/Special Education Teacher
Jeffrey Seiler	Social Studies
Elijah Shutt	Social Studies
Joann Sites	Health, Wellness
Todd Smeltz	Science/Mathematics
Raquel Smith	PCA Personal Care Assistant
Vicky Smith	Science
Rosane Straub	PCA Personal Care Assistant
Anthony Weaver	Health, Wellness
Diane Wolfgang	Inclusion Support Aide

GENERAL INFORMATION

GRADING

The grading system used at Upper Dauphin Area High School is outlined below:

A = 93 - 100 (Excellent)
B = 85 - 92 (Above Average)
C = 75 - 84 (Average)
D = 65 - 74 (Below Average)
F = 0 - 64 (Failing)
I = Incomplete - Used when a student has not completed work within three days after student returns to school and will result in a failure.
*P = Passing
*F = Failing
*Under certain circumstances and conditions Pass/Fail may be used.

CREDITS

Credit value for courses is assigned purely on the basis of student-teacher contact time and has no relationship to their absolute or relative difficulty. (See Special note under Class Rank).

Course credit value is assigned as follows:

1 Credit Courses: Course has 180 student-teacher contact periods scheduled.
1/2 Credit Courses: Course has at least 90 student-teacher contact periods scheduled.
1/4 Credit Courses: Course has at least 45 student-teacher contact periods scheduled.

KEYSTONE ASSESSMENTS

Students are now required to take specific subject assessments in algebra 1, literature and biology. The state has adopted four scoring levels to classify student scores; the scoring levels are *Advanced*, *Proficient*, *Basic*, and *Below Basic*. Students will take these assessments up through 11th grade. Students have until the spring of their 11th grade year to score proficient on them. The scores will count in determining if the school's grade or rating on the School Performance Profile. Beginning with the class of 2019, students will need to score proficient as a graduation requirement. Students will be provided opportunities to prepare for the Keystones in class and in Keystone preparation courses as needed/required for those who must retake them and in some cases for those who could benefit from the extra preparation prior to taking the assessments.

GRADUATION PROJECTS

In addition to credit requirements, all students must submit an approved, acceptable graduation project. Graduation projects are required under state law, known as Chapter 4 and were first adopted locally as part of the UDASD Strategic Plan of May, 2000.

The purpose of the projects is to give students an opportunity to "apply, analyze, synthesize and evaluate information and communicate significant knowledge and understanding." At UDA these projects are career-related and include research, a presentation, resume writing, and an interview.

ONLINE LEARNING COURSES

Upper Dauphin Area School District is committed to providing opportunities for students to excel in technology through the use of online learning courses. UDA High School can offer a variety of courses through an online learning provider. These courses can be offered during the normal school day or during the summer to allow students an opportunity to take classes that may not be offered in the traditional classroom. They will also allow for fewer scheduling conflicts. Students will be required to have a strong academic background and principal approval. A new on-line course format called Moodle is being used in some classes this year.

GRADE POINT AVERAGE

A student's grade point average is determined by a student's cumulative average of all courses taken in grades 9 through 12.

The mechanics of calculating grade point average involve multiplying each course's numerical grade equivalent (A=4, B=3, C=2, D=1, F=O) by its credit value (1 credit, 1/2 credit, or 1/4 credit) and dividing the sum of all the quality points by the sum of all credits attempted.

A limited (select) number of courses offered at Upper Dauphin Area High School are designed to meet the needs of our gifted and/or academically talented students. In order to challenge these students, a select number of AP/Honors courses will be designated for an alternative system of grade point average calculations. Specifically, courses designated "honors" will use the following grade equivalents when determining a student's grade point average.

Honors Course Points A = 5 B = 4 C =2 D = 1 F = 0
Non-honors Course Points A = 4 B = 3 C =2 D = 1 F = 0

EXAMPLE

Subject	Grade		Credits		Quality Points
Honors English	A = 5	X	1	=	5
CP Chemistry/Lab	A=4	X	1.5	=	6
Amer. History II	F = 0	X	1	=	0
Wellness	B=3	X	.25	=	.75
Advanced Foods	A = 4	X	.5	=	2
Spanish III	A=4	X	1	=	4
Art	B=3	X	.25	=	.75
Computer Apps. II	A = 3	X	.5	=	1.5
			6		20

Grade point average = 20 Quality Points divided by 6 credits attempted = 3.33 grade point average.

CLASS RANK

Class rank is determined by multiplying GPA by credits earned.

Please note that any pass/fail classes are omitted in the GPA calculation but included in the multiplication of quality points for class rank.

Dual Enrollment College Courses

"Dual Enrollment" is a program that allows high school students to enroll in college-level courses offered by a college and simultaneously earn credit toward high school graduation. These courses must be college level courses of 100 or higher. College level remedial or developmental courses do not qualify. Students must meet the criteria set by the colleges to qualify for their courses. This often includes placement testing, SAT scores and current grades. Students must also receive a recommendation from the school counselor or principal to participate in a dual enrollment course.

Students may choose to take these courses at the college campus or online. Students are permitted to work independently online at school or in the evening during their own time. Three college credits will equal .50 high school honors credits. Students must earn a grade of A or B to receive honors credit. No student is permitted to receive more than 8 credits in a school year.

STUDENTS ARE RESPONSIBLE FOR ALL TUITION COSTS, BOOKS AND FEES THAT ARE CHARGED BY THE COLLEGE OR UNIVERSITY.

The transfer of college credits earned through the dual enrollment program is at the discretion of the receiving college or university. When students make a final decision on the college they will attend, the student must request a transcript from the college/university through which a dual enrollment class was taken for review of transfer credit.

BELOW ARE 3 EXAMPLES DESIGNED TO ILLUSTRATE THE EFFECT ON GRADE POINT AVERAGE

Example #1 - No Honors Courses

Subject	Grade		Credits		Quality Points
Acad. English IV (12)	A = 4	x	1	=	4
CP Economics	A = 4	x	1	=	4
Physics	B = 3	x	1	=	3
Physics Lab	B = 3	x	.5	=	1.5
Geometry	A = 4	x	1	=	4
Advanced Art	A=4	x	.25	=	1
Spanish I	B=3	x	1	=	3
Greenhouse Production	A=4	x	.5	=	2
Computer Apps. I	B=3	x	.5	=	1.5
Wellness	A=4	x	.25	=	1
			7		25

Grade Point Calculation = 25 Quality Points divided by 7 credits attempted = 3.57 grade point average.

Example #2 - *Honors Math - Grade = A

Subject	Grade		Credits		Quality Points
Acad. English IV (12)	A = 4	x	1	=	4
CP Economics	A = 4	x	1	=	4
Physics	B = 3	x	1	=	3
Physics Lab	B = 3	x	.5	=	1.5
Calculus I	A = 5	x	1	=	5
Advanced Art	A=4	x	.25	=	1
Spanish I	B=3	x	1	=	3
Greenhouse Production	A=4	x	.5	=	2
Computer Apps. I	B = 3	x	.5	=	1.5
Wellness	A = 4	x	.25	=	1.0
			7		26

Grade Point Calculation = 26 Quality Points divided by 7 credits attempted = 3.71 grade point average.

Example #3 - *Honors Math - Grade = B

Subject	Grade		Credits		Quality Points
Acad. English IV (12)	A = 4	x	1	=	4
CP Economics	A = 4	x	1	=	4
Physics	B = 3	x	1	=	3
Physics Lab	B = 3	x	.5	=	1.5
Calculus I	B = 4	x	1	=	4
Advanced Art	A=4	x	.25	=	1
Spanish I	B=3	x	1	=	3
Greenhouse Production	A=4	x	.5	=	2
Computer Apps. I	B = 3	x	.5	=	1.5
Wellness	A = 4	x	.25	=	1.0
			7		25

Grade Point Calculation = 25 Quality Points divided by 7 credits attempted = 3.57 grade point average.

NOTE: With all other grades being equal, earning a B in an honors course results in the same grade point average as earning an A in a regular course. Any final grade lower than a “B” (85) average will not be weighted.

SCHEDULING PROCEDURES

The following is an outline of suggested scheduling procedures which will aid the student in selecting the most appropriate courses of study. Parents and/or guardians are urged to be involved and to assist their child(ren) in the important task of program and course selection.

1. Review graduation requirements to ensure that all required courses are selected.

2. Review the recommended sequence of courses for each of the programs as listed in the following pages.

3. Carefully read the program of course descriptions as listed on the Program of Studies, located on the high school website.

4. Discuss any concerns about your educational program with your guidance counselor.

5. Upon receiving your course selection sheet, carefully read all instructions, paying particular attention to specific course selection approval procedures.

6. Discuss course selections with your teachers and parents and obtain the necessary signatures.

7. Be sure to complete course selection sheets as per instructions.

8. Make sure that you will have successfully completed all of the courses required for graduation and will have a minimum of 24 credits.

Note: To guarantee that graduating seniors have the required courses, seniors will be scheduled for electives before underclassmen.

PLEASE NOTE:

Critical decisions affecting course offerings, class sizes, teacher assignments, high school staffing and budget expenditures are made on the basis of student selections during the scheduling process. In order for a class to be scheduled, there must be a minimum of ten students enrolled. Parents are advised that many factors are involved in the scheduling process.

When scheduling courses, all students need to make careful and informed decisions. Making changes in the fall will only include those deemed necessary by the administration. Remember, selecting courses is very serious and can be complicated; therefore, it is important for each student to follow the scheduling procedures identified above. No classes will be dropped after completing 5 school days.

GRADUATION REQUIREMENTS AND GRADE PLACEMENT

In order to be eligible for graduation from Upper Dauphin Area High School a student must have successfully passed twenty-four (24) credits in grades nine through twelve which must include the following:

Subject Area		
English	4	credits
Mathematics	4	credits
Science	3	credits
Social Studies	4	credits
Wellness	2.50	credits
Electives	6.50	credits
TOTAL	24 credits	

The placement of a student in a particular grade is based upon the following minimum credit requirements:

To Grade 9 - promotion from grade 8.
To Grade 10 - passing 5 graduation credits
To Grade 11 - passing 11 graduation credits
To Grade 12 - passing 17 graduation credits

Keystone Preparation courses may be assigned for students who do not achieve proficiency on the 8th Grade Keystone Mathematics test, Keystone Algebra 1 exam, Keystone Biology and/or Keystone Literacy exam. These courses will be scheduled by the department. Keystone retests will be required during students' subsequent year(s).

Credit recovery is available to any student who fails a major subject with a final grade of 50% or higher. A maximum of 2 credits can be taken during summer school to make up courses that were failed during the school year with special permission from the principal.

RECOMMENDED SEQUENCE OF COURSES

ACCELERATED PROGRAM

Philosophical Foundation

A truly comprehensive high school program seeks to provide equal educational opportunity for all students by providing a wide variety of courses to meet an equally wide variety of student needs, abilities and career/college plans. The Accelerated Program is designed for those students whose academic ability places them in the top fifth of their class in a given subject. The culmination of The Accelerated Program will be, for most students, The Advanced Placement Examinations, which will be taken in May of their senior year.

In order to avoid rigid, across-the-curriculum tracking, students may choose to take accelerated courses in any subject without being locked into accelerated courses in other subjects. Those few students whose schedules contain four or more accelerated and, eventually honors, courses will, therefore, be restricted in their choice of electives.

Student Commitment

Students taking Honors courses should be prepared to devote several extra hours per week at home to their studies. They should expect to read a great deal. Homework assignments will be longer and more intense than in academic-level courses. Essays and research papers will be common.

Students taking Honors courses should carefully consider the number of activities taken at one time.

Parents are asked to provide a quiet study environment for two hours of study/reading each day.

Enrollment

Students may enroll in Honors or Accelerated courses by indicating their preferences on the course selection sheet during the scheduling process. Admission to these courses will be decided by a process of teacher recommendation and a review of test grades to identify a population representing some fifteen to twenty per cent of each class in each subject. It should be noted that this process will be followed for each subject.

ACCELERATED AND HONORS COURSES

The following courses will be scheduled for the school year - if enrollment permits:

English:
- Honors English 9
- Honors English 10
- Honors English 11
- Honors English 12

These courses cover the same broad curriculum areas as their academic-level counterparts. The difference in instructional approach and expectations will require greater in-depth analysis and discussion; increased essay writing; greatly increased reading.

Mathematics:
- Honors Algebra II - Grade 9 - 10
- Honors Geometry- Grade 9 - 10
- Honors Precalculus - Grade 10 - 12
- Honors Calculus I - Grade 11 - 12
- Honors AP Calculus II – Grade 12

This four-year progression of mathematics courses is an accelerated program of studies. The Calculus II course is a preparation for the Advanced Placement Examination and is an Honors course by virtue of the additional, advanced material covered.

Social Studies:
- Honors Modern World History- Grade 9
- Honors American History I - Grade 10
- Honors AP American History II - Grade 11
- Honors History 107 The US Since 1918 (HACC credit) – Grade 11 & 12
- Psychology (College Prep) – Grade 11 & 12
- Honors Psychology 101 College Credit – Grade 11 & 12
- Honors Humanities 100 – Grade 11 & 12
- Honors HUM 101 Modern Culture and the Arts – Grade 12

Honors American History I will cover the time period of the Pre-Colonial Era through Industrialization.
Honors American History II will cover the period from Reconstruction to the present time.
Honors AP American History will prepare students for the Advanced Placement Examinations.

Science:
- Biology - Grade 9
- College Prep Chemistry - Grade 10
- College Prep Physics - Grade 11
- Honors AP Biology - Grade 12
- Honors Advanced Physics I - Grade 12
- Honors Advanced Chemistry - Grade 12
- Honors Physics I – Grade 12

AP Examinations will be available for students in Honors AP Biology.

World Languages:

Fourth-year study of world languages will remain as honors courses.

Humanities:

Honors Humanities 100 and 101 are offered on a sequential basis.

ALL ACCELERATED AND HONORS COURSES ARE OFFERED SUBJECT TO TEACHER RECOMMENDATION AND WILL BE OFFERED AS ENROLLMENT PERMITS.

ENGLISH DEPARTMENT COURSE OFFERINGS

The goal of the English department is to meet the individual needs of all students in the areas of listening, reading, and writing. The department aims to provide a balance in instruction between the mechanics of language and literature, emphasizing reading comprehension, and critical thinking.

(0209) Honors English I

Grade 9 1 credit – full year

Prerequisites:

1. Teacher recommendation
2. High test scores (PSSA)
3. Two summer assignments(The book titles and accompanying assignments will be given to you before the end of this school year.)

Honors Ninth Grade English I is a language arts course designed to prepare the student for Honors courses. Since it will involve more work in the form of additional reading, writing assignments, and other enrichment activities, a student considering ninth grade honors should be genuinely enthusiastic and open-minded about reading and responding to various types of literature (poetry, plays, short stories, novels, and non fiction pieces) by a variety of writers, including at least one Shakespearean play. Honors students will be expected to be willing participants in class discussion and demonstrate his/her understanding of literature through a variety of frequent writing assignments ranging from less formal journal entries to formal essays and research papers.

Honors Ninth Grade English I meets all of the objectives for Academic English I as listed below, but it requires additional and more challenging assignments to meet those objectives.

(0309) Academic English I

Grade 9 1 credit – full year

Academic English I is a course designed to continue the instruction of grammar, usage, vocabulary, reading and writing skills. Since ninth grade English is designed as an introductory course to the various genres of writing, students will examine the forms of the short story, the novel, prose, poetry, and drama by studying examples of each, including one Shakespearean play. Writing (ranging from less formal journal entries to formal essays and research assignments) and class discussions will be incorporated into these units for students to improve their communication skills. Students will all complete a research paper assignment, focusing on how to do research and effectively use the writing process.

(0210) Honors English II

Grade 10 1 credit - full year

Prerequisite: Teacher Recommendation, Grade ‘B’ or better in previous year and submission of summer work on first day of new school year.

Honors English II is a language arts course designed to prepare the student for Honors courses. As such, this course is designed for students who enjoy reading and writing and for students who wish to be challenged in these areas. Honors English II meets the same objectives as Academic English II, but it requires additional and more challenging assignments to meet those objectives. Special requirements for this course include, but are not limited to, two summer reading choices and reviews, a comparison/contrast essay using one summer reading choice and an outside reading choice from the school year, frequent writing assignments, enrichment activities to supplement reading assignments, and class participation.

(0310) Academic English II

Grade 10 1 credit - full year

Tenth grade Academic English II is a course which continues a student's learning experiences in grammar, usage, vocabulary, literature and composition. Technical and thematic aspects of the short story, the novel, poetry, and drama are discussed. Proper paragraph and essay development is stressed. Continual writing assignments often integrate the development of communication skills with the study of literature. Films, class discussions, and individual projects may supplement classroom activities.

ENGLISH DEPARTMENT COURSE OFFERINGS

(0111) Honors English III

Grade 11 1 credit - full year

Prerequisite: Teacher Recommendation and a Grade of 'B' or better in previous year and submission of summer work by first day of new school year.

Honors English III is a language arts course designed to reinforce students' knowledge of literary expressions and to introduce students to the critical foundations of literature. Appropriate American literature will be discussed following a time line of development. Films, class discussions and group assignments/presentations will augment classroom activities. Extensive reading, writing, speaking (formal and informal), and critical thinking are expectations for the Honors English III student. Honors English III students will complete a research paper based on the summer work completed as a prerequisite for the course.

(0311) Academic English III

Grade 11 1 credit - full year

Academic English for juniors will explore the development of American Literature and of American English. Within this study students will apply specific reading strategies to explore early American writings, the American short story, and a variety of literary movements such as Romanticism, Transcendentalism, and Realism. The writing process will be emphasized and utilized to improve written and oral communication skills. Grammar, usage and vocabulary skills will also be further developed within the study of American Literature. Films, class discussions, and individual projects will augment classroom activities.

(0112) Honors English IV

Grade 12 1 credit - full year

Prerequisite:

1. Teacher Recommendation
2. Grade 'B' or better in previous year
3. Submission of assigned summer work

The first semester of the course will be HACC Composition 101 course work. British authors and their literary works will be the focus for the second semester of this twelfth grade English course. Background information on the authors and history of the English language will also be incorporated throughout this study. Our literary journey will begin with a brief look at some Anglo-Saxon pieces and will progress through the centuries to a study of "modern classics." As we read these time-honored pieces, we will also reflect on them through written assignments and classroom discussions. Students will complete all facets of the graduation project as a part of this course.

(0312) Academic English IV

Grade 12 1 credit - full year

Academic English IV will introduce the development of the English language while focusing on major British authors and their works. Literary devices will be reviewed throughout the literature study, as will the format of a variety of genres. A review of grammar and usage will occur as part of the writing process, and a continuation of vocabulary development will be within the context of the course's literature. As part of this course, students will also review techniques for creating their graduation project research products. Lastly, films, class discussions and individual projects will complement classroom activities.

(0520) Keystone Literature Preparation

Grades 9 – 11 ¼ - 1 credit

The Keystone literacy prep course is designed for students who could benefit from some additional instruction and support in areas assessed on the literacy Keystone exam. In many cases students will take this course after receiving a less than proficient score on the literacy Keystone. In some cases students will take this in preparation for the assessment. Some students will benefit from a concentrated, short term instructional boost (.25 credit) while others will stay with the course longer as needed to become better prepared for the assessment. Some of the instructional strategies/methods could include Study Island, Keystone Samplers, Read Naturally, and SRA.

(0525) Keystone Literature Remediation

Grades 10 – 12 ½ credit – 1st semester only

This course is designed for students who DID NOT pass the Literature Keystone Exam. It is intended to reteach and reinforce concepts to prepare students to retake and pass the Literature Keystone Exam in an effort to avoid having to complete the Project Based Assessment (PBA). Passing the Literature Keystone Exam OR completing the PBA is required by the state of PA for graduation. Some of the instructional strategies/methods/resources could include Study Island, Keystone Samplers, Workbooks aligned to the Keystone Literature Exam, Read Naturally, and SRA.

(0530) Journalism

Grades 9 – 12 ½ - 1 credit

Students in journalism will work on various publications from the high school. They will develop their photography, writing, communication technology, design and publication skills for publications including the yearbook. This course can be taken as a full year course or a semester course.

MATHEMATICS DEPARTMENT COURSE OFFERINGS

Every student is required to take four (4) math credits, three required and one elective. The three required courses are: Algebra I, (completed in either one academic year or two), Algebra II (if Algebra I was completed in one academic year), and Geometry. The required courses for students who took Algebra I in 8th grade are: Algebra II (or Honors Algebra II), Geometry (or Honors Geometry), and Precalculus (or Honors Precalculus). For students who take Transitional Math as a freshman, their required courses are Algebra IA and Algebra 1B.

(1701) Transitional Math

Grade 9 — 1 credit – full year

Prerequisite: Teacher recommendation based on 8th grade math performance.

The Transitional Math course reinforces basic math and pre-algebra knowledge needed for a student to be successful in Algebra IA and Algebra IB at the high school level. Topics of study will include basic arithmetic operations and applications, order of operations, solving equations, graphing points in a coordinate plane, and basic probability and statistics. Students will be placed in this course based on performance data in a number of areas, such as PSSA scores, placement test scores, class grades, etc.

(1017) Algebra IA

Grade 9 — 1 credit – full year

Prerequisite: Final grade of 'C' or 'D' in 8th grade Pre-Algebra or a final passing grade in Transitional Math with teacher signature.

The Algebra IA course is the first half of Algebra I and is designed to prepare students for more advanced courses in mathematics. The course includes the study of real number operations and applications, linear equations and inequalities, probability, and linear functions. **A scientific calculator is required for this course.**

(1019) Algebra IB

Grade 10 - 11 — 1 credit – full year

Prerequisite: A passing final grade in Algebra IA with teacher signature.

The Algebra IB course is the second half of Algebra I and is designed to prepare students for more advanced courses in mathematics. Completion of the Algebra IA/Algebra IB sequence will prepare students to take the Keystone Algebra I exam at the end of Algebra IB. This course includes the study of real number operations and applications, polynomials and rational expressions, systems of equations and inequalities, and statistical displays. **A scientific calculator is required for this course.**

(1015) Basic Geometry

Grade 11 — 1 credit – full year

Prerequisite: A passing final grade in Algebra 1B with teacher signature.

The Basic Geometry course will emphasize the concepts of geometry that are most applicable to the workplace, while also concentrating on topics assessed on the Keystone Algebra I and required to meet Pennsylvania state standards. Topics include, but are not limited to, measurement, angles, proofs, triangles, polygons, circles, area and volume. **A scientific calculator is required for this course.**

(4542) Consumer Mathematics

Grade 12 — 1 credit - full year

Prerequisite: Teacher signature.

This elective math course is a blend of personal finance and business mathematics. Basic math skills and fundamentals will be reviewed at the start of the course. The first semester will focus on personal finance topics such as gross and net income, checking and saving accounts, sales tax and unit pricing, credit cards, loans, purchasing a car, purchasing a home, types of insurance, and methods of investment. The second semester will focus on mathematical business applications. Topics such as personnel, production, purchasing, sales, marketing, distribution, and accounting will be discussed. **A calculator is required for this course.**

MATHEMATICS DEPARTMENT COURSE OFFERINGS

(1013) Algebra I

Grade 9 1 credit - full year

Prerequisite: A final grade of 'B' or better in 8th grade Pre-Algebra with teacher signature.

The Algebra I course will cover the concepts and skills required for success in the higher levels of mathematics and on the Pennsylvania Keystone Algebra I exam. The course content includes solving equations and inequalities, proportions, solving and graphing linear equations, solving systems of equations, exponents, quadratic functions, operations with polynomials, factoring, and radical and rational expressions. **A scientific calculator is required for this course.**

(1323) Keystone Algebra II

Grade 10 1 credit – full year

Prerequisite: A score between 1475 and 1499 on the Keystone Algebra I exam ***and*** a passing final grade in Algebra I with teacher signature

This course is designed for students who, based on their score on the Keystone Algebra I exam, require remediation on Algebra I topics before moving on to the study of Algebra II. These students will retake the Keystone Algebra I exam in the winter of their sophomore year. Students in this course will spend the first half of the year reviewing Algebra I topics such as real number operations, linear equations and inequalities, and probability and statistics. The second half of the course will focus on an introduction to Algebra II topics, including but not limited to imaginary numbers, quadratics functions, and systems of equations with three variables. **A scientific calculator is required for this course.**

(1023) Academic Algebra II

Grades 9 –10 1 credit - full year

Prerequisite: A score of Proficient or Advanced on the Keystone Algebra 1 exam and a passing final grade in Algebra I with teacher signature.

This course is a continuation of fundamental algebraic concepts, with an emphasis on the study of functions. It is intended for those students who will continue their education after graduation, but not necessarily in the math and science fields. Higher level algebraic topics are included as required by the Pennsylvania state standards. Topics include quadratic functions, polynomials, radical and rational functions, probability and statistics, and an introduction to trigonometry. **A scientific calculator is required for this course.**

Note: Geometry or Honors Geometry and Academic Algebra II may be taken concurrently with teacher signature and a score of Proficient or Advanced on the Algebra 1 Keystone exam.

(1014) Geometry

Grades 9 - 11 1 credit - full year

Prerequisite: A passing final grade in Academic Algebra II with teacher signature.

The Geometry course will emphasize the concepts of geometry that are assessed on the Keystone Algebra I exam and required to meet PA state standards. Topics include, but are not limited to, measurements, angles, triangles, polygons, circles, area, volume and transformations. **A scientific calculator is required for this course.**

Note: Geometry and Algebra II or Honors Academic Algebra II may be taken concurrently with teacher signature and a score of Proficient or Advanced on the Algebra 1 Keystone exam.

(1024) Precalculus

Grades 10 - 12 1 credit – full year

Prerequisite: A final grade of 'C' or better in both Academic Algebra II and Geometry with teacher signature and a score of Proficient or Advanced on the Algebra 1 Keystone exam.

Precalculus extends topics of Algebra II and Geometry and introduces concepts of trigonometry through a graphing approach. Students can expect a rigorous pace and challenging material. **A scientific calculator is required for this course.**

(1224) Honors Precalculus

Grades 10 – 12 1 credit - full year

Prerequisite: A final grade of 'A' or better in Honors Geometry with teacher signature AND a score of proficient or advanced score on the Keystone Algebra I exam.

This course continues the development of the fundamental skills of algebra and trigonometry through a graphing approach. Advanced topics include analytic geometry and limits. Students can expect a highly rigorous pace and challenging material, in addition to advanced homework assignments. **A scientific calculator is required for this course.**

(1118) Honors Calculus I

Grades 11 - 12 1 credit - full year

Prerequisite: A final grade of 'B' or better in Honors Precalculus with teacher signature AND a score of proficient or advanced on the Keystone Algebra I exam.

This course to be weighted as an honors course

This course is designed for prospective mathematics majors, as well as those students whose primary interests are in engineering, physics, business or the life sciences. Topics include, but are not limited to, limits, rates of change, differentiation, related rates, optimization, curve sketching, and techniques of integration and Area under a curve. **A scientific calculator is required for this course.**

(1218) Honors AP Calculus II

Grade 12 1 credit – full year

Prerequisite: A final grade of 'B' or better in Calculus I with teacher signature AND a score of proficient or advanced on the Keystone Algebra I exam.

This course is intended for the accelerated mathematics student and may only be taken with prior approval of the instructor. ***Students who take this course are encouraged to take the AP AB Calculus test (at their own expense).*** This course is designed for prospective college mathematics majors, as well as those students whose primary interests are in engineering, physics or other sciences. It includes topics normally taught in the second semester of a three-semester calculus sequence at the college level in addition to a review of all the Calculus I content and focused preparation for the AP Exam. Topics include, but are not limited to, advanced differentiation and integration techniques and applications, differential equations, volumes of solids and advanced applications of definite integrals. **A graphing calculator is required for this course.**

(1021) Statistics

Grade 12 1 credit – full year

Prerequisite: A final grade of 'C' or better in Academic Algebra II with teacher signature.

This course is intended for the senior who will be pursing a post-secondary education at a college or technical school. This course is most appropriate for students entering fields in nursing, business, education, law, psychology and the social sciences. 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, sampling and experimentation, anticipating patterns, and statistical inference. **A scientific calculator is required and a graphing calculator will be provided for this course.**

(1114) Honors Geometry

Grades 9 - 11 1 credit

Prerequisite: A grade of 'A' in Honors Algebra II with teacher signature AND a proficient or advanced score on the Keystone Algebra I exam.

Honors Geometry is an accelerated course designed for those students preparing for higher level mathematics and/or considering a post graduate math/science career. This course differs from the Geometry course in pacing and depth of content. Additionally, this course uses elements of online content. The Honors Geometry course will emphasize the concepts of geometry including, but not limited to, measurement, angles, proofs, triangles, polygons, circles, area, volume, vectors and transformations. **A scientific calculator is required for this course.**

Note: Honors Geometry and Honors Algebra II or Academic Algebra II may be taken concurrently with teacher signature and a score of Proficient or Advanced on the Algebra 1 Keystone Exam.

(1123) Honors Algebra II

Grades 9 - 10 1 credit

Prerequisite: A grade of 'A' in Algebra I with teacher signature AND a proficient or advanced score on the Keystone Algebra I exam.

Honors Algebra II is an accelerated course that is designed for those students who intend on continuing their studies in Honors Precalculus, Calculus and other higher level mathematics. This course's curriculum is derived from the Pennsylvania State Common Core standards for Algebra II. This course moves at a faster pace and examines some topics in greater detail than the traditional Algebra II class with more emphasis on theory, a higher degree of difficulty in problem solving and more enhanced use of the graphing calculator. Topics include an in-depth study of nonlinear functions, specifically quadratic, polynomial, exponential, and logarithmic functions, with some emphasis also on probability and statistics. **A scientific calculator is required for this course.**

Note: Honors Geometry or Geometry and Honors Algebra II may be taken concurrently with teacher signature and a score of Proficient or Advanced on the Algebra 1 Keystone Exam.

SCIENCE DEPARTMENT COURSE OFFERINGS

(2310) Earth Science

Grades 9 - 12 1 credit – full year

Earth Science is designed to give students a background in the following areas: rocks and minerals, weather, groundwater, running water, weathering and erosion, and the dynamic processes of plate tectonics (earthquakes, volcanoes, etc). The study focuses on the connections between the earth's various systems. The class will emphasize hands-on experiences and the use of other educational tools.

(2920) 9th Grade Biology w/ Lab

Grade 9 1½ credits – full year

This course is designed to prepare 9th grade students to take the Biology Keystone Exam, a required state assessment. The following topics will be studied in detail: chemistry of life, ecosystems, environmental science, cells, cellular transport, photosynthesis & respiration, cell growth & reproduction, genetics, genetic engineering, and evolution. The lab period will be used to reinforce concepts learned in class through various hands on activities.

(2820) General Biology

Grade 10 1 credit – full year

This course is designed for students who DID NOT pass 9th grade Biology w/lab. It will prepare students to take the Biology Keystone Exam, a required state assessment. The following topics will be studied in detail: chemistry of life, ecosystems, environmental science, cells, cellular transport, photosynthesis & respiration, cell growth & reproduction, genetics, genetic engineering, and evolution. There is NO lab for this class.

(2990) Keystone Bio Remediation

Grades 10 – 12 ½ credit – 1st semester only

The ½ credit for this class DOES NOT count as a science credit.

This course is designed for students who DID NOT pass the Biology Keystone Exam. It is a Study Island based course to reteach and reinforce concepts to prepare students to retake the Biology Keystone Exam.

(2330) College Prep Chemistry & Lab

Grades 10 – 12 1½ credit - full year

Recommended Prerequisite: Successful completion of Biology and Algebra I. It is also recommended that you are at least currently taking Algebra II.

This course provides a complete chemistry course for students who intend to go on to college, but not necessarily to major in a science-related field. A lab period will be scheduled to allow for experimentation, formal lab write-ups, demonstrations, reinforcement activities, and research activities. Chemistry and Chemistry Lab are considered to be one course – one grade is calculated that is inclusive of the two parts, and therefore both courses must be scheduled together.

The format of this course will involve a combination of lecture, research, discussion groups, experimental activities, and an integration of reading and writing activities. There is a focus on the chemistry standards as required by the state, as well as other science, technology and environmental standards.

(2450) Physical Science

Grades 10 - 12 1 credit – full year

This course will cover topics in physics (mechanical, thermodynamics, electricity and magnetism, etc.), and chemistry (matter, bonds, reactions, etc.). This course is designed as an alternative to the college preparatory science classes for those students who do not plan to go to college, but need to fulfill their science credit requirements for graduation and for the state science assessments related to physical science. Skills learned in this course will also help students to score better on the ASVAB and math Keystone exams. This course is not appropriate for students who have passed chemistry and physics.

(2125) Honors AP Biology & Lab

Grades 11 - 12 1½ credit - full year

Prerequisites: A grade of 'B' or better in Biology and Chemistry or the teacher's permission.

The AP Biology course is designed to be the equivalent of a college introductory biology course. The textbook used for AP/biology is also used by college biology students. The types of labs completed by the AP students will be the equivalent of those performed by college students.

The AP Biology course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

Students, after showing themselves to be qualified on the AP Examination, as college freshmen, are permitted to undertake upper-level courses in biology or to register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a laboratory-science course and will be able to undertake other courses to pursue their majors.

(2340) College Prep Physics & Lab

Grades 11 – 12 1½ credit - full year

Prerequisite: 'B' or better in Precalculus or concurrently enrolled in Precalculus.

The CP Physics course is primarily intended for those students who are bound for higher education with a science-oriented major of study. The course includes the study of the inter-relationship of matter, energy and nuclear physics and their role in everyday living. The first semester will focus on Kinematics (1-D Motion, 2-D Motion, Forces, Work, Energy, Circular Motion, etc), while the second semester will cover Electricity, Magnetism, Optics and Thermodynamics. Students may opt to take the AP Physics B exam in the spring.

(2116) Honors Advanced Chemistry

Grades 11 – 12 ½ credit

Recommended Prerequisite: Successful completion of College Prep Chemistry and Algebra II with a grade of 'B' or better. It is also recommended, but not mandated, that students have completed a physics course or are currently taking a physics course.

This course is designed for students who plan to go to college to study any of the sciences, engineering, nursing, pre-medical studies or any similar field. The course will review some topics previously studied at a higher level of understanding as well as cover additional topics such as organic chemistry, nuclear chemistry, and oxidation-reduction reactions. There will be no additional laboratory period required for this course, but there will be laboratory activities incorporated into the course.

This course may be taken in conjunction with Advanced Physical Science (2117).

(2117) Honors Physics I

Grade 12 ½ credit

Prerequisite: 'B' or better in College Prep Physics and a 'B' or better in Calculus or concurrently enrolled in Calculus.

This course is intended for those students who are intending to major in physics or engineering in college. This class covers the traditional first year college level material. The focus of this class will be to prepare students for the AP Physics C exam, which will give college credit for General Physics classes (Kinematics and Electricity & Magnetism). This course may be taken in conjunction with Advanced Chemistry.

There will be no additional laboratory period required for this course.

SCIENCE DEPARTMENT COURSE OFFERINGS

(2510) Anatomy & Physiology

Grades 10 - 12 1 credit – full year (NO LAB)

Prerequisites: Students must successfully complete Biology with a 'B' or Better

This class includes the subject areas of biology, chemistry, physics and wellness. The course explores the components of physiology, anatomy, disease, today's society and kinesiology – areas that comprise the human body as a whole. This course looks at the complex components of the body and shows how they work together to provide functioning and a total well-being. The student will be challenged to understand how bodily systems work together to maintain homeostasis, know gross and surface anatomy of the skeletal and muscular systems and, with this knowledge, analyze movement. This course is designed for those students who wish to pursue a profession in the medical field or have an interest in a knowledge base that promotes health.

(2530) Astronomy

Grades 10 - 12 ½ credit - semester or A/B day

Astronomy is designed to give students the basics of astronomy. The following topics will be studied: history of astronomy, history and formation of the universe and our solar system, constellations, the planets, the moon, and current events in astronomy. The class will emphasize hands-on and eyes-on experiences and the use of other educational tools.

(2540) Meteorology

Grades 10 - 12 ½ credit - semester or A/B day

Meteorology is designed to give students a more in-depth study of meteorology than they had in Earth Science. It will expand on the basic concepts learned about the atmosphere and the forces that create our weather. Students will learn how to read and create weather maps and the various types of data used to make a weather forecast.

(2550) Oceanography

Grades 10 - 12 ½ credit - semester or A/B day

Prerequisites: 'C' or better in Earth Science & a 'C' or better in either Physical Science or Chemistry

Oceanography is designed to give students a background in the following topics: physical properties of the ocean and ocean basins, ocean circulation and currents, waves & tides, ocean chemistry, marine life, and marine resources.

(2560) Environmental Science

Grades 10 - 12 ½ credit - semester or A/B day

Environmental Science is designed to give students a background in the environment and how humans interact with it. We will focus on the following topics: environmental history, human population, energy, pollution, invasive species, environmental policy, and environmental ethics. The course will involve problem-based learning and multiple projects.

(3010) Modern World History

Grade 9 1 credit - full year

Students will study major turning points that shaped the modern world from mid-15th century to the present using the traditional theme-focused classroom format. Students will use this information to develop an understanding and appreciation of current world events and relate these events to their historical, geographic, political, and cultural context.

The evaluation process will consist mostly of tests, quizzes, and other forms of written work. At times throughout the year, students will have additional assignments and projects that will enrich the educational process of a student at Upper Dauphin Area High School.

(3210) Honors Modern World History

Grade 9 1 credit – full year

Prerequisite: An 'A' average in 8th Grade Social Studies ***plus*** a teacher recommendation is required for this class. The student should also possess all of the qualities of an honor student: higher level thinking skills, homework completion, high achieving test grades, in-depth written work, good attendance, and high levels of class participation. Academic motivation and a strong student work ethic will ensure success in this course.

In this intensive course, students will analyze major regions of the world and their contributions to shaping the modern world from mid-15th century to the present. A focus will be put on detailed writing assignments, class discussion and the use of abstract thought. Students will learn how the different regions of the world molded-not only modern world history, but also modern political thought, geography, culture and the modern world economy.

This class will be writing-intensive and the evaluation process will be in-depth and more advanced than those of the other world history sections. At times throughout the year, students will have additional assignments and projects that will add to the educational process of an Honors student at Upper Dauphin Area High School.

Completion of the summer reading assignment is required.

(3227) Honors American History I

Grade 10 1 credit - full year

Prerequisite: An 'A' or 'B' in previous Social Studies course plus teacher recommendation. Candidates may be required to submit a writing sample as well.

Honors American History I will cover American History during the time period of the Pre-Columbian Era 1491 through reconstruction. Grading for the course will be based on exams, quizzes, essays, projects, and presentations. Historical thinking skills and themes will be presented and studied. Students will focus on preparing arguments to solve historical questions. In addition, students will study opposing viewpoints on historical issues. There will be a heavy emphasis on outside readings and assignments including a Summer Reading Assignment. Students will be taught how to write answers to short answer questions and long essay questions. Data-based questions will also be introduced. A writing assessment will be included on all the major periods of history that are covered. Students who wish to take the advanced placement honors history course during their junior year should consider taking this course.

An 85% or above is necessary to receive honors credit for the course.

(3026) American History I

Grade 10 1 credit - full year

This course will cover American History from the pre-Columbian period, 1491 of European explorations through the Industrialization. There will be heavy emphasis on how economics, politics, geography, and social issues transformed America.

Students will be graded on tests, quizzes, homework, projects, and possibly a Research Paper in conjunction with the English Department.

(3060) Local History

Grades 10 - 12 ½ credit – 1 semester

The Local History Class will increase the student's knowledge and appreciation of local history. Students will analyze the founding of local communities and townships in terms of the individuals, businesses, and industries which created them. A focus will be on people of interest, major historical events and locations.

Grading will be based upon extensive outside the classroom assignments which will include: Visiting a Local Historical Society Meeting, Reading, PowerPoint Presentations, Photography Assignments, Research of Local History subjects. A major requirement is the end of the semester "Bringing Local History Alive" presentation to the entire class which will need to be completed in order to earn credit for the course.

(3228) AP United States History

Grade 11 1 credit - full year

Prerequisite: An 'A' in the previous social studies course or an 'A' or 'B' in the previous honors social studies course in addition to teacher recommendation. Candidates may be required to submit a writing sample as well.

This course builds on the Honors American History I course. This course content includes the history of the United States from the pre-Columbian Era, 1491 to the present in a manner that will prepare students for the Advanced Placement exam given in May of the junior year. All 9 periods of US history will be covered by either review of 10th Grade Honors American History I course and the presentation of new curriculum material. Students will use historical thinking skills to understand and analyze the causes and effects of major events, the trends/themes in major areas, and the significant historiographical controversies concerning each of the 9 periods of US History will be studied. Students will prepare arguments on historical topics, write questions to long essay questions, data based questions, and short answer questions. A writing assessment in AP format on every period is required.

Required assignments include summer reading, a book report emphasizing historical setting, projects involving primary sources, extensive outside the classroom writing and analysis, primary source readings and papers. Successful students will be required to complete extensive outside of the classroom work and study.

(3028) American History II

Grade 11 1 credit - full year

The course covers the period from 1890 to the present time, with particular emphasis on the coordination of political, economic and social events in this period of the American experience. The main emphasis of the course is to help students obtain the knowledge that is necessary to participate in our society. Grading will be based on tests, participation in class, homework and reports.

(3043) Psychology (College Prep)

Grades 11 - 12 ½ credit - 1 semester

Psychology, the study of the mind and behavior, is designed for students who plan to continue their education after high school. The course will focus on topics such as: historical approaches, research methods/statistics, life span, workings of the mind and body, learning and cognition, personality and disorders. Students may be eligible to take the AP Psychology exam in May.

(3042) Intro to Economics

Grades 10 - 12 ½ credit - 1 semester

Economics provides an understanding of fundamental economic concepts, demand & supply, the operation of the United States' economy and of current economic problems facing the nation. The majority of the course focuses on the fundamental economic concepts and microeconomics. Many concepts are applied in class through simulations and projects.

Grading will be based on homework, quizzes, tests, and participation in class.

(3045) College Prep Principles of Economics

Grades 11 - 12 1 credit – full year

Prerequisite: An 'A' or 'B' in Intro to Economics and/or the recommendation of the economics teacher.

The course is designed to prepare students for future college courses in economics. Students should have already taken the Intro to Economics course and have a firm understanding of fundamental economic concepts. The approach in this course will be to apply the economic way of thinking to microeconomics, macroeconomics, consumer economics, and the global economy. Math skills required.

Grading will be based on tests (including essay questions), quizzes, and class projects.

(3050) Freedom: Understanding the Nation

Grades 11 - 12 ½ credit - 1 semester

Freedom: Understanding the Nation is geared toward those students with an interest in political science - the study of governments, public policies, political processes, and political behavior.

In order for the United States to continue to succeed and be a leading voice for freedom and democracy in the world, it is essential for Americans to understand and participate in the government of this country. The government impacts the lives of all Americans, from providing services, to setting public policy, to establishing, interpreting, and enforcing laws.

This course will examine concepts such as the foundations of American government, state and local government, public policies and services, civic participation, and freedoms, rights, law, and justice.

Grading will be based on the following: tests, quizzes, projects, oral/visual presentations, class discussion, homework, class work, and a final examination.

(7210) Honors Humanities I00

Grades 11 - 12 1 credit - full year

Prerequisite: Recommendation of Humanities and/or current Social Studies teacher

Introduction to the Humanities

Honors Humanities 100 is the introduction to a two-year sequential multi-disciplinary college-level course taught by faculty from the Art and Music Departments. It is designed for the more serious student who wishes to expand his/her intellectual horizon and challenge through the in-depth and intensive academic study of the development of Western Civilization from the Ancient World through the modern day. The philosophies, music, and art forms of the major Western civilizations and cultural epochs are studied and analyzed in close detail with a heavy emphasis placed on the interrelationships evident between all three. Students will be required to write a research paper each marking period, complete weekly exams and actively participate in Seminar discussions.

College In The Classroom Social Studies Course Listings

(3017) HIST 107: The US Since 1918 (Honors Weighted)

Grade 12 ½ credit

Prerequisite: Open to Juniors or Seniors with a minimum 3.25 GPA and teacher recommendation

This college course is a survey of America's social, political, economic, and military experience since 1918, with emphasis on the Roaring Twenties, Great Depression, Roosevelt's New Deal, World War II, post-war problems, Cold War, Kennedy and Johnson, civil rights, Vietnam, Nixon and Watergate, and the Ford, Carter and Reagan presidencies. **For 3 college credits at HACC.**

(3143) Psychology 101/C/01: Introduction to Psychology (Honors Weighted)

(Alvernia University)

Grades 11 - 12 ½ credit – 1 semester
3 college credits

Prerequisite: Open to Juniors or Seniors with a minimum 3.25 GPA and teacher recommendation

Introduction to major concepts and findings in psychology with emphasis on basic processes underlying human behavior. This course is designed to be a broad survey to expose students to the major areas of psychology and to foster a basic understanding of the concepts and vocabulary of the study. Topics to be covered include psychology as a science; approaches to psychology; maturation and development; intelligence; biological bases of behavior, sensations and perception, motivation and emotion, learning and cognitive processes, personality and abnormal psychology.

(4511) Accounting I

Grades 10 – 12 1 credit – full year

Accounting is the language of business. Accounting provides instruction in modern record keeping, business terminology, preparation of financial reports, and the application of the complete accounting cycle. Hundreds of career fields require knowledge of Accounting. Modern technology is geared to computer spreadsheet applications on the computer and these are included. It is a prerequisite to all Accounting classes. This course broadens the basic knowledge of single proprietorship/service business accounting. Partnership and corporate accounting are included. Objectives include an understanding and application of accounting concepts and a broader comprehension of theory through the completion of at least two business simulations. This course should be a prerequisite for those pursuing accounting careers or college business administration or any other career field that will require knowledge of accounting and modern business practices.

(4513) Accounting II

Grades 11 – 12 1 credit full year

Prerequisite: A 'B' or better in Accounting I with teacher approval

This course further broadens the basic knowledge of all business organizational forms with emphasis on the computer as a business tool. A number of simulations will be completed, as well as, additional concepts covered at the college level to include inventories, depreciation of assets, plant and equipment, and payrolls. Extensive use of spreadsheet accounting is used. It is intended as independent study with teacher supervision and advanced placement credit.

(4550) Principles of Marketing

Grades 10 – 12 ½ credit

Students explore the roles of business and marketing in the free enterprise system and global economy. You will study how the American economy operates and prepare to make decisions as consumers, wage earners, and citizens.

(4570) Sports Entertainment and Marketing

Grades 10 - 12 ½ credit

Students will explore the intriguing world of sports and entertainment from the perspective of marketing. This is an introductory course which will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and sporting events This course will focus on the Core Marketing Standards of Distribution, Pricing, Product Service Management, Promotion, Selling and Financing. Students will be presented with real world strategies used by successful sports and entertainment marketers. Students will investigate how technology and the internet help marketers work more effectively. The course will explore some common myths that surround advertising and promotion as well as introduce interesting facts and statistics for sports and entertainment businesses. Sports and Entertainment Marketing is a unique and innovative course designed for students with an interest in the sports and entertainment industry.

(4580) Presenting in the Digital Business World

Grades 10 - 12 ½ credit

Required by ALL SOPHOMORES (BUT MAY BE TAKEN BY JUNIORS AND SENIORS)

This course is a hands on course focused on preparing students for the business world and for college. Students will understand how speech, budgeting and financial management is an essential part of any career choice and is critical for life success. Students will create presentations with various presentation tools; engage in a variety of public speeches, interviews, and e-portfolios. Students will use a variety of digital tools to help build organizational skills leading to poise and confidence in presentations. This course is a required course for all seniors to graduate.

(6433) Computer Applications I – Word Processing/Presentation Basics

Grades 9 – 12 ½ credit

Requirement: This is a remediation course for ONLY those students who did not successfully complete Computer Applications I (8th Grade).

This course introduces students to word processing and presentation concepts as part of an office software productivity suite. This is a self-paced, hands-on approach that utilizes creative computer projections, group instruction, and step-by-step instruction using numerous business and general interest topics.

(6434) Computer Applications II – Word Processing/Presentation/Spreadsheet

Grades 9 – 12 ½ credit

Prerequisite: Passed 8th Grade Computer Applications I with a 'C' or better

This course builds on the basic concepts introduced in word processing and presentation as part of an office software productivity suite and introduces spreadsheet functionality. This is a self-paced, hands-on approach that utilizes creative computer projections, group instruction, and step-by-step instruction using numerous business and general interest topics. A focus of this course is to master these applications both separately and in an integrated environment.

(6450) Emerging Technologies: Web 2.0

Grades 10 - 12 ½ credit

Web 2.0 is a category of new tools and technologies created around the idea that people who consume media, access the internet, and use the Web shouldn't passively absorb what is available; rather they should be active contributors, helping customize media and technology for their own purposes as well as those of their communities. Emerging technologies will foster digital learning by empowering students to create, share, and participate in a virtual community using the web as a platform. Web 2.0 applications will consist of, but not be limited to blogs, podcast, story-booking, virtual portfolios, wikis, RSS feeds, and media sharing.

(6445) Computer Applications – Graphic and Technology Design

Grades 9 - 12 ½ credit

Prerequisite of Computer Applications II

Students will be introduced to computer applications that focus on the generation and adaptation of computer graphics and digital images. The integration of typography with imagery will be explored with emphasis being placed on creating visually appealing publications. This is a self-paced, hands-on approach that utilizes creative computer projections, group instruction, and step-by-step instruction.

(6455) Video Production

Grades 9 - 12 ½ credit – 1 semester

This course introduces students to the fundamentals of digital video production. Students will learn how to produce short videos, including story-boarding and shooting, and will finish productions using current video- and sound-editing software. This course builds on the basic concepts of the video production work flow. Students will develop an understanding of pre-production, production and post-production processes. This is a hands on, project based course that utilizes digital media concepts which will feature digital media hardware/software tools, techniques and digital media applications. This course is designed to familiarize you with the processes and tools associated with Video Production.

(6460) Intro Web Page Design

Grades 10 - 12 ½ credit – 1 semester

Prerequisite(s): Graphic and Technology Design

This semester course provides students with a major emphasis on the principles and design of a website. HTML, Web publishing and graphic editing software will be used to design, create, format and edit web pages. Student learners will be able to plan, design, build, promote and maintain a website. Students will learn web page layout, effective navigation and the proper design process of a web page. We examine some of the how-tos, ins, outs and pitfalls of using graphics, color and fonts on web pages as well as working with tables and CSS.

(6458) VPC Live: TROJAN NEWS

Grades 11 - 12 ½ credit - 1 semester

Prerequisite: Video Production with a 'B' or higher and teacher permission

Students will learn the ins and outs of television broadcasting. VPC Live is designed to give students the opportunity to broadcast live on a weekly basis for TROJAN NEWS using videography, the process of recording sound and visual images on electronic media. Fieldwork involving school activities will provide students with experiences working with digital photography enhancements and capturing video as well as interacting with others by interviewing participants. Students develop skills in video production using the technologies of audio-video equipment and computer-based editing software. This broadcasting class will be unlike any other elective. TROJAN NEWS is the first news program produced daily by students, to air live right in our classrooms. Our broadcast covers school announcements, organization updates and sport highlights. Students must be energetic, upbeat and possess the ability to work well with others. The ability to write and read well is a must and students should be comfortable speaking in front of a large audience. TROJAN NEWS staff members will learn to organize information and manage themselves and their time wisely.

(6478) Trojan Sports Network (TSN)

Grades 9 – 12 ½ credit - ½ year

(6479) Trojan Sports Network (TSN)

Grades 9 – 12 1 credit – full year

This course introduces students to LIVE video sports broadcasting. Students will be responsible to oversee the Trojan Sports Network. Students will cover sporting and extra-curricular events through commentating, videotaping, production truck, and graphic designs. Students will be expected to attend events outside of the regular school day. Students will create, edit, and promote the TSN as well as create commercials and special stories. Student must be self-motivated and be able to manage their time wisely. Students will be expected to work independently and with teams. TSN is a great course for the sports fan and those that enjoy creating videos.

(6465) Website Design and Maintenance

Grades 10 - 12 ½ credit – 1 semester

Prerequisite(s): Intro to Web Page Design w a grade of 'B' or higher and ***teacher permission***

This course introduces students to more advanced skills in web design and gives students real-life experience in web development. As a major part of this course, students will work on developing and maintaining organizational and activity web pages for UDAHS. Students will receive one-on-one training, as well as the opportunity to work with other students in a team environment. Upon completion, students should be able to employ advanced design techniques to create high-impact and highly functional web pages. Students are required to have Intro to Web Page Design, with a grade of a B or higher. Students will work independently as well as in a group. Students must be proficient in writing and must possess good communication skills. Interested students must be hard working and self-motivated. Student web pages created in this course will be published on the Internet. Completed web pages would require advisor/teacher/coach approval before uploading of pages.

College In The Classroom Computer Course Listings

(6438) CIS 105 (Honors Weighted)

Grade 12 ½ credit

This course is worth 3 credits from Harrisburg Area Community College if the student earns an average grade of an 'A' or 'B' for the semester

Students must pass the required placement test for HACC in English, Reading, and Writing to be admitted into this course. This test will be given to students here at UDA.

Introduction to Computer Applications is a fundamental course designed to survey general topics in the computer field. Topics include computer concepts, hardware and software applications, and emerging technologies. In this course, students will work individually and in groups to explore these topics. Emphasis is placed on providing experience for learning basic and advanced features of word processing, database management, spreadsheet, and presentation applications. This course takes the hands-on approach utilizing step-by-step instruction using various business and general interest topics. Students apply problem-solving skills to real-life situations through the use of the software applications.

WORLD LANGUAGE DEPARTMENT COURSE OFFERINGS

In today's world, understanding the language and the culture of another country is a highly marketable skill in a wide range of occupations. The ability to communicate in another language and to understand the customs of its speakers is an advantage in almost any field, both here in the United States and abroad. The road to acquiring these skills begins in the high school world language classroom.

Many colleges have both a world language requirement for admission and a number of college level credits necessary for most students to obtain their degree. Therefore, successful completion of at least **two** years of the same language on the high school level will be a definite asset. For the many students who will be required to take a language in college, **four** years of the same language in high school is recommended to provide the best preparation for those college courses. Of course, the usefulness of knowing another language is not limited to the college-bound.

Students planning to take a foreign language should understand that they must make a commitment of time and effort in order to learn any language. Regardless of which language is chosen, it is important to complete all assignments, to practice and review material regularly, and to prepare thoroughly for tests.

(5021) French I

Grade 9 1 credit - full year

Students will acquire language skills necessary for basic reading, writing, speaking, and listening. Fundamental grammatical structures are taught and emphasized through oral and written practice. Francophone culture is introduced, with an emphasis on France. Students are further exposed to French through audio-visual and support materials.

(5022) French II

Grade 10 1 credit - full year

Prerequisite: French I

Basic concepts from French I are reviewed and expanded upon. Students are introduced to new grammatical concepts and speech patterns. Concepts are practiced through oral and written exercises. Increased conversation is emphasized, as well as study of other Francophone culture.

(5023) French III

Grade 11 1 credit – full year

Prerequisite: French II

More advanced grammatical concepts are introduced, practiced, and reinforced through written and oral practice. A more detailed study of Francophone culture is provided. Short story readings are also included.

(5224) Honors French IV

Grade 12 1 credit – full year

Prerequisite: French III

Upper-level concepts are introduced and practiced. Emphasis is on increased language use through conversation and reading. French history and culture will be studied in more depth. Current topics in France, such as religion, politics, and social structure will be examined and discussed in French.

(5031) Spanish I

Grade 9 1 credit – full year

Students learn the fundamentals of the language necessary for basic conversation, reading and writing. Grammatical structures and vocabulary are taught and practiced through oral and written exercises. Students are introduced to the countries of the Spanish-speaking world with emphasis on a study of Spain and are exposed to Hispanic traditions and lifestyles through reading and audio-visual support materials.

(5032) Spanish II

Grade 10 1 credit – full year

Prerequisite: Spanish I

Basic speech patterns learned in Spanish I are reinforced and expanded. New vocabulary and grammatical concepts are added and developed through oral and written exercises. A study of Mexico is included through readings and audio-visual support materials.

(5033) Spanish III

Grade 11 1 credit – full year

Prerequisite: Spanish II with a 75% or higher in Spanish II

Additional vocabulary and more complex grammatical concepts are introduced and reinforced, and communication skills are expanded through more intensive reading, writing, speaking and listening activities. Culture readings include a more detailed study of Spain and Spanish America, particularly South America. Textbook material is supplemented by library resources and audiovisual support materials.

(5234) Honors Spanish IV

Grade 12 1 credit – full year

Prerequisite: Spanish III with a 85% or higher in Spanish III

Troublesome grammatical points from Spanish III are reviewed as needed, and more advanced grammatical points will be introduced. The major focus of this level is to improve and expand reading, writing, listening and speaking skills, through the continued study of people and lifestyles in Spain and Spanish America. Topics such as religion, the family, roles of men and women, death, education and Hispanics in the U.S. are examined and discussed in Spanish. Textbook material is supplemented by library resources and audiovisual support materials.

(5250) Honors Spanish V as Independent Study

Grade 12 1 credit - full year

Prerequisite: Spanish IV with a grade of 85% or higher in Spanish IV

Honors Spanish V will continue to develop advanced reading and writing skills of the Spanish Language while focusing on major Spanish and Spanish American authors and their works. Literary devices will be reviewed throughout the literature study, as will the format of a variety of genres. A review of grammar and usage will occur as part of the writing process, and a continuation of vocabulary development will be within the context of the course's literature. Textbook material is supplemented by library resources and audiovisual support materials. As an independent study students will have to be self-motivated to succeed.

(5041) German I

Grade 9 1 credit – full year

In German I, the student will acquire simple listening and speaking skills reinforced by a gradual study of related grammatical concepts. Traditions and lifestyles of the various German-speaking countries will be considered. Grades are derived from quizzes, tests, dialogues to be memorized and some special projects.

(5042) German II

Grade 10 1 credit – full year

Prerequisite: German I

In German II, the student will deal with more advanced audio-lingual and grammatical concepts. The material will continue to revolve around various aspects of modern living in the German-speaking countries. Grades are derived from quizzes, tests, dialogues, and special projects.

(5043) German III

Grade 11 1 credit – full year

Prerequisite: German II

In German III, communication skills will be expanded. There will be greater emphasis on lengthy readings concerning events and interests integral to modern living in the various German-speaking countries. Related audio-lingual and grammatical concepts will be studied and writing will be stressed. Grades are derived from quizzes, tests, translations, and special projects.

(5244) German IV – Honors

Grade 12 1 credit – full year

Prerequisite: German III

German IV deals with more complicated grammatical and linguistical structures within the general framework of current social and cultural concerns in German-Speaking countries. Audio-lingual work will still be stressed but writing will be of even more importance. Grades are derived from quizzes, tests, translations, and special projects.

BUILDING CONSTRUCTION TRADES COURSE OFFERINGS

The Building Construction Trades program is available to 10th grade students who have passed required 9th grade courses and are interested in pursuing a career in construction or a construction-related field.

Students who choose Building Trades should be aware that this series of courses is offered as a major subject and that they will be required to display a good attitude and an overriding interest in this profession. A limited number of students can be enrolled in Building Trades. Students need to be aware that the possibility exists that not all students who complete Building Trades I or II will be able to schedule Building Trades II or III.

A maximum of 10 students will be permitted in the am class and 10 students in the pm class.
A prerequisite of Cabinet Making is recommended.

(9010) Building Trades I (3 periods/day-am or pm)

Grades 10 - 11 3 credits – full year

This course will consist of basic units in safety, tool care and use, carpentry, plumbing, painting and decorating, masonry, concrete placement and finishing, wiring and landscaping.

(9011) Building Trades II (3 periods/day-am or pm)

Grades 11 - 12 3 credits – full year

Prerequisite: A 'C' or better in Building Trades I. Need teacher approval.

This phase of the Building Trades course is an intensive practical course of "on-the-job" projects combined with classroom instruction which will build upon the units learned in Building Trades I.

(9012) Building Trades III (3 periods/day-am or pm)

Grade 12 3 credits – full year

Prerequisite: A 'C' or better in Building Trades II. Need teacher approval.

This course continues to expand upon the concepts and skills learned in previous years by utilizing a combination of classroom instruction and "on-the-job" projects.

(9510) Diversified Occupations Education I

Grades 11 - 12 1 credit

This course deals with career exploration, acquisition, maintenance, advancement and entrepreneurship. It also deals with meeting adult responsibilities. This course is required for students wanting to take D.O. II.

(9520) Diversified Occupations Education II

Grade 12 3 credits – full year

Prerequisite: Successful completion of Diversified Occupations I and Instructor approval are required.

The D.O. II program includes placement of the student at a business and/or local establishment for on-the-job training for ½ of each school day. Training agreements are arranged between the employer-trainer, student-learner, parent, and the school. Students are placed on the job by the employer/trainer through the job search process. The job site will comply with all federal and state labor laws. The classroom part of the course includes work as it is related to the individual's job and other related outcomes from the student's working environment. A portfolio will be required for each student to log hours worked and outcomes achieved from a pre-approved job site. Ongoing visitations and/or career counseling will take place throughout the school year with the D.O. Coordinator. Pre-approval for job sites should take place before the start of one's senior year.

(9109) Freshmen Wellness

Grade 9 1 credit

Freshmen Wellness is a course designed to provide students with an accurate understanding of the important topic of human sexuality. This class will cover the major aspects of human sexuality including but not limited to: healthy relationships, female and male reproduction, contraception, the risks of sexual activity, and STI's. The physical education portion will utilize sound health principles to teach students a variety of ways to be active. Topics will include fitness testing, team sports, individual sports, and a variety of other lifelong fitness activities.

(9110) Sophomore Wellness

Grade 10 1 credit

Sophomore Wellness is a course designed to provide students with an accurate understanding of the following health topics: organ donation, first aid and CPR, the skeletal system, muscular system, and drug education. The students will complete an extensive drug research project that will utilize the BIG 6 researching skills. The class will investigate the following areas: facts, effects, treatment, and the brain. The individuals will present their findings using a Web 2.0 presentation format. The physical education portion will utilize sound health principles to teach students a variety of ways to be active. Topics will include fitness testing, team sports, individual sports, and a variety of other lifelong fitness activities.

(9111) Junior Wellness

Grade 11 ½ credit

Junior Wellness is a course designed to provide students with the knowledge and skill required to lead a healthy life. The focus of the course is personal fitness. Specific units will include cardiovascular fitness, strength training, circuit training, and other popular fitness programs (i.e. T25). Topics covered include target heart rate, components of strength training, and lifelong fitness. The overarching goal of this course is that each student will have the educational background necessary to design and implement a personal fitness program at any point throughout their life.

(9210) Nutrition and You

Grades 9 – 12 ½ credit

Nutrition and You is an elective course that allows students to explore sources of nutrients and the body's requirements throughout the lifecycle. They will learn basic kitchen management skills, understanding safety and sanitation as well as recipes and how they can be altered for utilization to meet daily needs. The students will examine the government's role in the food supply and safeguarding our food selection. The USDA Choose My Plate will be utilized to gain knowledge of food and nutrition with extension activities that may include food labs.

(9220) Foods and You

Grades 10 - 12 ½ credit

Prerequisite: Nutrition and You

The focus of this course is to apply the knowledge gained in the Nutrition and You course to daily living through meal planning and making good consumer decisions. The students will examine how to enhance their food choices through the selection, planning, preparation and serving of meals.

(9240) L.I.F.E.

Grades 10 - 12 ½ credit

L.I.F.E., (Lifelong learning, Independence, Family and Economics). is an elective course that gives students the opportunity to learn to manage the challenges of living and working. The course helps to prepare students for independence by examining the four main elements of Family and Consumer Science. The students will explore careers and gaining employment, as well as financial and resource management by investigating the necessities of life as consumers and family members. The students will discover effective solutions to issues significant in everyday life as they learn to balance family, work and community responsibilities throughout the lifecycle.

(9270) Child Development

Grades 11 - 12 ½ credit

Child Development is an elective course that allows students to gain an understanding of caring for children and aiding in their learning as their needs change physically, intellectually, socially and emotionally. The students will examine the responsibilities and changes involved in their lives when caring for themselves, as well as for a child. They will analyze the financial needs of families, health and safety concerns for themselves and children, as well as balancing daily responsibilities as individuals, family members and community members during this course.

(9416) Consumer Strategies

Grade 9 ½ credit

Consumer Strategies is a comprehensive Family and Consumer Science course with an examination of kitchen and nutrition basics, resource and financial management and balancing family, work and community responsibilities along with child care. The students will explore kitchen safety and sanitation, time management, finances with emphasis on maintaining accounts, consumerism, housing/interior design and child care.

(8011) Basic Cabinetmaking I

Grades 9 - 12 ½ credit

Students learn machine safety, as well as, the basics of cabinet construction. Several smaller projects will be constructed using basic cabinetmaking techniques. Materials fee will be charged.

(8311) Basic Cabinetmaking II

Grades 10 - 12 1 credit

Prerequisite: Basic Cabinetmaking I

Students continue to learn more basic features of cabinets such as drawers and doors. Students will construct one or more pieces of furniture/cabinets that meet course requirements. Materials fee will be charged.

(8411) Advanced Cabinetmaking

Grades 11 - 12 1 credit

Prerequisite: Basic Cabinetmaking I & II

Students expand upon previously gained knowledge and experience to design and build large complex cabinets utilizing all the above-mentioned features of modern cabinets.

(9310) Basic Drafting I

Grades 9 - 12 ½ credit

Students learn the basics of drafting, starting with line types continuing through orthographic projection or multiview drawings. Students will also be introduced to AutoCAD.

(9315) Basic Drafting II

Grades 9 - 12 ½ credit

Prerequisite: Basic Drafting I

Students continue to learn the basics of drafting starting with pictorial views and continuing through assembly drawings. Students will also create simple drawings with AutoCAD.

(9316) Basic AutoCAD

Grades 10 - 12 ½ credit

Prerequisite: Basic Drafting I & II

Students learn the basic AutoCAD commands to accomplish simple drawings, as well as, how to configure specific output devices.

(9317) Advanced AutoCAD

Grades 10 - 12 ½ credit

Prerequisite: Basic AutoCAD, Basic Drafting I & II

Students continue to learn the basic AutoCAD commands through the use of both simple and complex commands. Students draw complex drawings starting with 2 dimensional pictorial views and ending with 3 dimensional wire frame views.

(9318) Architectural Drafting

Grades 11 - 12 1 credit

Prerequisite: Drafting I & II, Basic & Advanced AutoCAD

Students learn the basics of light construction principles and then apply their knowledge to design a house using AutoCAD. After the 2 dimensional drawings have been completed, the students then render the drawings to create 3 dimensional views of the house. A scale model of the house is built to provide a concrete, 3 dimensional product of the student's design.

(7830) Studio (A/B) Grades 9 - 12 ½ credit A or B days - full year

(7831) Studio Art (Semester) Grades 9 - 12 ½ credit 1 semester

(7832) Studio Art (Full Year) Grades 9 - 12 1 credit – full year

Recommended prerequisite: Strong desire and commitment to exploring the basics of art.

The first year in the Studio Art course is divided into two general units, Basic Drawing and Color Theory, designed to afford the student a basic background foundation for more advanced art courses available in the following years. Students beginning the second semester will need to take the first semester the following year before entering advanced portion of Studio Art.

After the initial Basic level, interested students may move on to the more advanced offerings available to them on an independent basis as scheduled by the instructor. Each of the following courses lasts for one marking period, except oil painting which lasts for one semester.

Advanced Studio Art is a workshop comprising numerous areas of study in a suggested sequence. Students are encouraged to take several years of advanced art.

A. Life Drawing: This is a two-part advanced drawing course focusing upon the student's ability to draw from life, i.e. portraiture and anatomy. Media to be employed will be pencil, chalk, charcoal, and/or pastels.

B. Nature Drawing: This advanced drawing course develops the student's ability to draw from nature. Composition will be studied in great detail. A variety of media employed consists of pencil, pen and ink, and brush. A sketchbook may be a required part of this course.

C. Introduction to Watercolor: This introductory course is designed to present the basic techniques of transparent watercolor to the student, along with background knowledge of materials and paper. A still life will be used as subject matter.

D. Advanced Watercolor: This advanced studio course stresses the development of an individual style of painting with emphasis on the Brandywine technique. Subject matter is traditional and based upon an original study of nature. Interested students may also do floral studies.

E. Ceramics: This is a studio course designed to explore the more advanced forms of clay work. Areas of concentration will be both hand-built and wheel-thrown pottery (for the advanced). Emphasis will be placed on learning to use different and new types of tools and processes including glazing and kiln firing. The class may be repeated to work on throwing pottery on the wheel.

F. Graphics: This advanced course will afford the student an opportunity to explore various printing media such as linoleum block and serigraphy when possible.

G. Calligraphy: This advanced course teaches the student the basic methods of calligraphy and fraktur plus basic layout and design.

H. Brush Drawing: This course introduces the student to brush drawing using ink or sepia washes. Along with traditional Western techniques, the student may choose to become acquainted with the calligraphic techniques employed by the Oriental cultures, known as Sumi painting.

I. Art Theory: This two-part theory course is designed to stimulate the more-than-average student and is strongly recommended for any student wishing to follow a post-graduate study of art. The first course is concerned with problems involved with one point perspective, while the second course concerns two-point perspective and its use in both interior and exterior design.

J. Oil Painting: This studio course develops techniques inherent in oil painting; stylistic differences are studied along with the Flemish and Italian methods. At least one original oil painting is required in a style chosen by the student.

K. Advanced Drawing: This advanced studio further investigates drawing techniques through a variety of media such as charcoal, chalk, crayon, colored pencil, regular and colored ink, pastels, and/or silver point, when available.

L. Senior Portfolio: This advanced studio course is specifically geared toward preparing those seniors planning on furthering their art studies at an art school or program at a University. Based upon the expectations of both college art departments and various art schools, it is highly individualized and specific to the needs of the student who will work closely with the instructor on selected areas of weakness. This portfolio course is offered for a full year, with the end product being a finished portfolio ready for presentation and acceptance. It is open only to seniors.

Interested Advance Studio students must follow the following sequence:

Year 1 Nature or Life / Art Theory / Brush or Basic Watercolor/Ceramics

Year 2 Nature or Life / Graphics or Calligraphy / Ceramics / Brush or Watercolor

Year 3 Any course for Independent Study / Oil (1 Semester)/Portfolio (1 full year)

(7916) Foundations of Music Theory

Grades 10 – 12 ½ credit

Prerequisite: One year of experience in high school concert band or choir ensemble/instructor's permission.

This course is designed to develop and expand music theory knowledge, aural, and listening skills that include but are not limited to:

- Reading, writing and identifying patterns in music.
- Ear training
- Rhythmic and melodic dictation.
- Roman numeral analysis of a composition.

(7918) Honors Advanced Music Theory

Grades 11 – 12 ½ credit

Prerequisite: Foundations of Music Theory or instructor's permission.

This is a continuation of skills acquired in the Foundations of Music Theory course. Advanced Music theory refines and expands the analytic skills needed to understand how music is put together. Students enrolled in this course will be expected to compose and/or arrange music using techniques studied throughout the course. This is a suggested elective for students preparing for a career in music.

(7900) Choir Ensemble

Grades 9 - 12 ½ credit

Choir Ensemble is open to all students who enjoy singing. Students will perform a variety of styles of music in mixed, women's, and men's choir settings. Concert attendance is mandatory. Basic knowledge of musical elements and solfege is beneficial, but not required.

(7910) Honors Choir Ensemble

Grade 12 ½ credit

Prerequisite: At least two years in high school choir ensemble AND instructor's permission.

Honors Choir Ensemble is a subsection of Choir Ensemble and will meet at the same time. In addition to all course requirements for Choir Ensemble, students will be required to attend group or individual voice lessons as scheduled. Students enrolled in Honors Choir Ensemble will be expected to learn audition material for County Chorus and District Chorus and participate in auditions for both ensembles.

(7920) Piano/Keyboard Techniques I	Grades 9 - 12	½ credit
(7921) Piano/Keyboard Techniques II	Grades 10 - 12	½ credit
(7922) Piano/Keyboard Techniques III	Grades 11 - 12	½ credit
(7923) Piano/Keyboard Techniques IV	Grade 12	½ credit

The various levels of Piano/Keyboard Techniques are designed to sequentially instruct students at all levels on skills specific to playing the piano. The course works at the student's pace as they learn the following skills:

Level I – Music reading, posture, finger placement, hand position, two hands playing together
Level II – Continuation of advanced literature with two hands playing together, block chords, broken chords, accidentals, various major and minor keys with 3 or fewer sharps or flats
Level III – Advanced literature including countermelodies, stretched hand positions, all major and minor keys
Level IV – Performance of classical piano literature from the following periods in music history: Baroque, Classical, Romantic and Modern.

(7902) Concert Band

Grades 9 - 12 ½ credit

Prerequisite: Successful completion of Book 1, knowledge of and facility with Concert C, F, B-flat, E-flat and A-flat key signatures, basic rhythmic fluency, and at least one year of middle school band.

Concert Band allows students the opportunities to perform a variety of styles of music within various ensemble and solo settings. Students will be required to attend group or individual lessons as scheduled. Concert attendance, including graduation, is mandatory.

(7912) Honors Concert Band

Grade 12 ½ credit

Prerequisite: At least two years in high school concert band AND instructor's permission.

Honors Concert Band is a subsection of Concert Band and will meet at the same time. In addition to all course requirements for Concert Band, students are expected to learn audition material for County and District Bands and participate in the audition process for both groups.

(7908) Vocal Musicianship (NOT OFFERED IN 2016-2017)

Grades 9 - 12 ½ credit

Prerequisite: One year of experience in high school concert band or choir ensemble/instructor's permission.

This course is designed to instruct students on the basic techniques of singing and apply them to performance situations, listening critiques and individual lessons. Students will be expected to perform in solo and ensemble settings throughout the duration of the semester. Previous singing experience is required.

(7909) Instrumental Musicianship

Grades 9 - 12 ½ credit

Prerequisite: At least one year of middle or high school band or choir ensemble.

Instrumental Musicianship is designed for students who have some previous music instruction and want to expand their knowledge of other instruments. This course will allow students to study the woodwind, brass and percussion families and become familiar with each band instrument through instruction on instrument-specific sound production and fingerings. Students will be expected to perform in solo and ensemble settings throughout the duration of the semester.

(7940) Music Technology

Grades 9 - 12 ½ credit

This is a project based course in which students will be instructed on how to use various computer software programs for music production, music notation, MIDI sequencing, mixing and editing. Students will compose and arrange original music, produce podcasts, tell a story solely through sound, and score music to video.

(7980) Music Appreciation

Grades 9 - 12 ½ credit

This course is intended to expose students to the many facets of music and explore the role of music in students' individual lives. Units include, but are not limited to: World Music, Music as Identity, and the Evolution of Popular Music. These units will cover artists, styles and characteristics associated with the topic.

(7990) Musical Theatre

Grades 9 - 12 ½ credit

This course will explore the evolution of musical theatre from its origins in opera through today's Broadway hits. Students will explore plot structure, character development, and other elements of a play, and compare texts with interpretations in live and video productions. This course will also cover stage terminology, vocal and movement training, and acting (improvisation, character analysis and duet/group acting) as well as stage design and set construction, lighting design, sound reinforcement, costuming, and makeup.

(7950) Advanced Instrumental Music Study

Grades 10 - 12 ½ credit

Prerequisite – At least two years in high school concert band or the instructor's permission.

This course is designed to help students prepare the instrumental audition requirements for a university music program. We will concentrate on developing independent practice skills, preparing music for advanced levels of performance, ear training, and sight-reading. Students will prepare for weekly lessons and perform a recital at the conclusion of the semester.

(7952) Instrumental Music Study

Grades 9 - 12 ¼ credit

This course is designed for students enrolled in concert band. Students will develop practice skills, prepare music for individual or group lessons and performance, and play in small ensemble settings.

AGRICULTURE AND NATURAL RESOURCES COURSE DESCRIPTIONS

These courses are designed to meet the needs of students seeking careers in this area, and also to provide enrichment and utility courses for all students. Please consult the career sequence.

***Sci = Credit for these courses may be used as a science credit.**

Level I Course

(8040) Introduction to Ag & Natural Resources

Grade 9 ½ credit

This ½ credit course introduces students to the agricultural and natural resources industries and to the FFA. Because of its general content, this course is strongly suggested for all career paths. It can be taken any time, but it is strongly suggest that students take this course in the freshman year.

Level II Courses

Important note: For those with career interest in this area, it is strongly suggested that students complete both of these Level II courses by the end of their sophomore year.

(8053) Introduction to Animal, Plant Science, and Soil Science (*Sci)

Grades 9 – 10 ½ credit – half year

This ½ credit course focuses on the scientific principles underlying the study of animals, plants, and soils. This course intended to pair with 8051 whenever a student's schedule permits, and it is a prerequisite for many Level III courses, as specified below.

(8051) Introduction to Environmental Science and Agricultural Mechanics (*Sci)

Grades 9 – 10 ½ credit – half year

This ½ credit course focuses on the scientific principles underlying the study of wildlife and forests. Scientific principles related to machine systems will be touched upon as well. This course intended to pair with 8053 whenever a student's schedule permits, and it is a prerequisite for many Level III courses, as specified below.

Level III Courses

After completing a Level II course, the ½ credit courses listed below can be taken according to the student's career interests. Pay close attention to the prerequisites specified for each Level III course.

(8017) Advanced Agriculture Mechanics

Grades 10 – 12 ½ credit - 1 semester

After reviewing safety policies and procedures, students will be permitted to work on individual projects for the remainder of the course with individual and group instruction on the hydraulic press, hydraulic pipe bender and Torchmate CNC plasma cutter interspersed throughout the semester. For students who have had Basic Welding, advanced welding procedures will also be taught on the TIG, MIG, Arc and Oxy Acetylene units. Problem solving and advanced planning on individual projects is expected. *Students may take this course more than once and receive credit.* Students must have completed 8051 and either Small Gasoline Engines (8014) or Basic Welding (8013). Teacher permission is required for this course.

(8016) Engine and Machine Technology

Grades 10 – 12 ½ credit - 1 semester

This course stresses the maintenance, repair and reconditioning of common machinery and power units. After reviewing safety policies and procedures, students will be introduced to hydraulics, engines and power units. Students must have completed 8051 and Small Gasoline Engines (8014). Teacher permission is required for this course.

(8034) Equine Management (OFFERED 2016/2017)

Grades 10 – 12 ½ credit - 1 semester

Equine Management will be taught in school years beginning with an even number, so it will be offered in 2016 – 2017.

Basic horsemanship will be covered, including: breed identification, selection, breeding, feeding, health, housing, training and tack. Must have completed 8053

(8022) Forestry

Grades 10 - 12 ½ credit - 1 semester

Students will cover topics such as tree biology, woodland management, tree identification, forest products, land use, and chain saw safety and maintenance. Must have completed 8051

(8032) Greenhouse Production and Management

Grades 10 - 12 ½ credit

Greenhouse structures, equipment, controls and management will be covered, as well as material on plant propagation and care. Students will gain extensive experience in vegetable and flower bedding plant production. Must have completed 8053

(8033) Dairy and Livestock Production and Management (NOT OFFERED 2016/2017)

Grades 10 - 12 ½ credit - 1 semester

Livestock Production and Management will be taught in school years beginning with an even number, so it will NOT be offered in 2016 – 2017.

This course is designed for both farm and non-farm students with an interest in livestock production. Feeding, genetics, reproduction, health care, and economics will be stressed. Must have completed 8053

(8036) Meat and Food

Grades 10 - 12 ½ credit - 1 semester

This course begins with an exploration of the U.S. and global food industry, and advances into topics relating science to the production and processing of foods. Many hands-on activities allow students to process and preserve a variety of common foods. Meat processing and carcass evaluation is covered also. Must have completed 8053

(8031) Advanced Horticulture

Grades 10 - 12 ½ credit

Horticulture is defined as the science and art of growing fruits, vegetables, flowers, or ornamental plants. This course will include instruction in all these areas. A key requirement of this course is the planning and implementation of a real-world, personalized student project. Must have completed 8053

(8021) Crop and Soil Science (Sci)

Grades 10 - 12 ½ credit

This course is designed to teach the basics of soil science and agronomic crop production. The fundamentals of soil science will be covered before advancing to topics on growing agronomic crops common to Pennsylvania. Computerized soil mapping using Geographic Information Systems (GIS) will be covered. Must have completed 8053

(8014) Small Gas Engines

Grades 10 - 12 ½ credit - 1 semester

This course covers the small gas engine and its systems, such as carburetion, ignition, compression, governing and cooling. Use of common shop tools and measuring devices as well as tune-up and repair is emphasized. Students will also work in small groups disassembling and reassembling a single cylinder engine. Must have completed 8051

(8035) Animal Science (Sci)

Grades 10 - 12 ½ credit - 1 semester

This course covers veterinary science and applications of basic animal-care principles and practices. Emphasis will be placed on the cause, diagnosis, treatment and prevention of animal health problems. Health care programs will be developed for pets and livestock. Must have completed 8053

(8013) Basic Welding

Grades 10 - 12 ½ credit - 1 semester

Students will begin with basic instruction in oxy-acetylene welding and cutting, and advance to electric arc, metal inert gas (MIG) welding and plasma cutting. The emphasis is on fundamentals in preparation for more advanced study and practice in this subject area. The plasma-cutting technique will also be a part of this course. Must have completed 8051

(8113) Advanced Welding

Grades 11 - 12 ½ credit – 1 semester

Students must previously have had the Basic Welding course. Students will begin with a review of both Electric Arc and Oxyacetylene safety procedures. Position welding techniques will be taught with an emphasis on vertical, horizontal, overhead and other "out of position" welding. Plasma Cutting, TIG Welding, MIG Welding, along with computer aided plasma cutting, will also be included. Different alloys of metals will also be covered and welded. Must have completed 8051

(8023) Wildlife Management and Conservation

Grades 10 - 12 ½ credit - 1 semester

This course covers wildlife management principles as they relate to Pennsylvania's wildlife resources. Wildlife identification, population control, and habitat improvement will be covered time permitting, aquatics will also be introduced. Must have completed 8051

(8041) Supervised Agriculture Experience Project (SAE)

Grades 10 - 12 ½ credit

(8042) Supervised Agriculture Experience Project

Grades 10 – 12 ½ credit - 1 semester

(8043) Supervised Agriculture Experience Project

Grades 10 – 12 1 credit - full year

You must obtain prior written permission from either Mr. Maurer or Mr. Dietrich to be enrolled in this SAE. This requirement will be strictly enforced. Must have completed 8053 and/or 8051.

SAE is designed to supplement other agriculture education coursework. Students must identify a specific project or personal interest before enrolling, and they must be willing and able to work independently. Written project records will be used to document and grade student performance.

Agriculture & Natural Resources Courses and Pathways

(Upon successful completion of courses marked with a (*Sci), science credit is awarded.)

Level I Course

(8040) Introduction to Ag & Natural Resources

This ½ credit course introduces students to the agricultural and natural resources industries and to the FFA. Because of its general content, this course is strongly suggested for all career paths. It can be taken any time, but it is strongly suggest that students take this course in the freshman year.

Level II Courses

Important note: It is strongly suggested that students complete both Level II courses by the end of their sophomore year.

(8053) Introduction to Animal, Plant Science, and Soil Science (*Sci)

This ½ credit course focuses on the scientific principles underlying the study of animals, plants, and soils. This course intended to pair with 8051 whenever a student's schedule permits, and it is a prerequisite for many Level III courses, as specified below.

(8051) Introduction to Environmental Science and Agricultural Mechanics (*Sci)

This ½ credit course focuses on the scientific principles underlying the study of wildlife and forests. Scientific principles related to machine systems will be touched upon as well. This course intended to pair with 8053 whenever a student's schedule permits, and it is a prerequisite for many Level III courses, as specified below.

Level III Courses

- After completing a Level II course, the ½ credit courses listed below can be taken according to the student's career interests. Pay close attention to the prerequisites specified for each Level III course.
- With teacher permission, Supervised Ag Experience (SAE) is available after students complete Level I and at least one Level II course.

Agricultural Engineering Technology Prerequisite: 8051	***Animal Science*** Prerequisite: 8053	***Plant Science*** Prerequisite: 8053	***Natural Resources Management*** Prerequisite: 8051
• Advanced Ag Mechanics • Engine and Machine Technology • Small Gas Engines • Basic Welding • Advanced Welding	• Animal Science (*Sci) • Dairy/Livestock Production & Management • Equine Management • Meat & Food Science	• Greenhouse Production & Management • Advanced Horticulture • Crop & Soil Science (*Sci)	• Forestry • Wildlife Management • Crop & Soil Science (*Sci)

(1809) Functions Math

Grade 9 1 credit

Functional Math is a class that centers on every day, functional math skills. The concepts covered, but not limited to are; Money, Basic Budgeting, Measurement, and Time. Also daily math drills, based on the student's individual math level are completed. Math skills are typically 7 years or more deficient.

(1810) Functional Math 10

Grade 10 1 credit

Functional Math is a class that centers on every day, functional math skills. The concepts covered, but not limited to are; Money, Basic Budgeting, Measurement, and Time. Also daily math drills, based on the student's individual math level are completed. Math skills are typically 7 years or more deficient.

(1811) Functional Math 11

Grade 11 1 credit

Functional Math is a class that centers on every day, functional math skills. The concepts covered, but not limited to are; Money, Basic Budgeting, Measurement, and Time. Also daily math drills, based on the student's individual math level are completed. Math skills are typically 7 years or more deficient.

(1812) Functional Math 12

Grade 12 1 credit

Functional Math is a class that centers on every day, functional math skills. The concepts covered, but not limited to are; Money, Basic Budgeting, Measurement, and Time. Also daily math drills, based on the student's individual math level are completed. Math skills are typically 7 years or more deficient.

Students who have an Individualized Education Program (IEP) will most likely be scheduled for an Intervention class. Please see the description below for more information. Entrance to Learning Support is by testing, the recommendation of an educational psychologist and the IEP team.

Intervention

Intervention is being done in a more research based model of inclusion and RTII. Instead of reducing services for students to be included in the regular education setting and curriculum, we are doubling services. This allows students to receive instruction on their grade level and in their prescribed academic courses, with supports, services, and in many cases additional staff. However, it also allows students to get direct instruction in their areas of need, much as they would have in the typical Special Education classroom. During intervention, staff are able to provide remediation, acceleration, direct instruction, progress monitoring, and assistance in their areas of need. This can be addressed specifically in how their disability affects their learning in their English, Math, Science, and Social Studies classes. This will allow our students to be better prepared for the independence of the next step; whether that be a college, trade school, military, work force, etc.

(9750) Intervention

Grades 9 – 12 1 credit

(9751) Intervention

Grades 9 – 12 ½ credit semester

(9752) Intervention

Grades 9 – 12 ½ credit A/B

STUDENT ASSISTANTS

(9600) Teacher Assistant

Grades 9 – 12 1 credit

This class is for students wanting to assist the Life Skill's teacher with the day to day activities in the special needs classroom. This may include tutoring, basic classroom duties and other day to day tasks to assist the teacher.

(9601) Teacher Assistant

Grades 9 – 12 ½ Credit – 1 semester

This class is for students wanting to assist the Life Skill's teacher with the day to day activities in the special needs classroom. This may include tutoring, basic classroom duties and other day to day tasks to assist the teacher.

CAIU DRIVER EDUCATION AND TRAINING PROGRAM

The Upper Dauphin High School through the CAIU offers high school students driver education and training programs. A certificate of completion is issued and sent to the student at the completion of each component. These are voluntary classes and have no credit or grade value through Upper Dauphin.

30 hours on-line Classroom Theory - $118.00
Log on to: www.caiu.keystodriving.com
Capital Area Intermediate Unit
55 Miller Street
Enola, PA 17025-1640
717-732-8400 ext. 8535

6 hours Behind-the-Wheel Training - $70.00 per hour
Log on to: www.caiu.org
Search: Driver Education
Capital Area Intermediate Unit
55 Miller Street
Enola, PA 17025-1640
717-732-8400 ext. 8535

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	ENGLISH					
0209	Honors English I	1	X-(H)			
0309	Academic English I	1	X			
0210	Honors English II	1		X-(H)		
0310	Academic English II	1		X		
0111	Honors English III	1			X-(H)	
0311	Academic English III	1			X	
0112	Honors English IV (HACC Credit)	1				X-(H)
0312	Academic English IV	1				X
0520	Keystone Literature Preparation	¼ - 1	X	X	X	
0525	Keystone Literature Remediation	½		X	X	X
0530	Journalism	½ - 1	X	X	X	X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	MATHEMATICS					
1701	Transitional Math	1	X			
1017	Algebra IA	1	X	X		
1015	Basic Geometry	1			X	
1019	Algebra I-B	1		X	X	
4542	Consumer Mathematics	1				X
1013	Algebra I	1	X			
1323	Keystone Algebra II	1		X		
1014	Geometry	1	X	X	X	
1114	Honors Geometry	1	X-(H)	X-(H)	X-(H)	
1023	Academic Algebra II	1	X	X		
1123	Honors Algebra II	1	X-(H)	X-(H)		
1024	Precalculus	1		X	X	X
1224	Honors Precalculus	1		X-(H)	X-(H)	X-(H)
1118	Honors Calculus I	1			X-(H)	X-(H)
1218	Honors AP Calculus II	1				X-(H)
1021	Statistics	1				X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	SCIENCE					
2310	Earth Science	1	X	X	X	X
2920	9th Grade Biology w/ Lab	1½	X			
2820	General Biology	1		X		
2990	Keystone Bio Remediation	½		X	X	X
2330	College Prep Chemistry w/ Lab	1½		X	X	X
2450	Physical Science	1		X	X	X
2510	Anatomy & Physiology	1		X	X	X
2125	Honors AP Biology w/ Lab	1½			X-(H)	X-(H)
2340	College Prep Physics w/ Lab	1½			X	X
2116	Honors Advanced Chemistry	½			X-(H)	X-(H)
2117	Honors Physics I	½				X-(H)
2530	Astronomy	½		X	X	X
2540	Meteorology	½		X	X	X
2550	Oceanography	½		X	X	X
2560	Environmental Science	½		X	X	X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	SOCIAL STUDIES					
3017	History 107 The US Since 1918 (HACC credit) Honors	½			X-(H)	X-(H)
3010	Modern World History	1	X			
3210	Honors Modern World History	1	X-(H)			
3227	Honors American History I	1		X-(H)		
3026	American History I	1		X		
3228	AP United States History Honors	1			X-(H)	
3028	American History II	1			X	
3043	Psychology (College Prep)	½			X	X
3042	Intro to Economics	½		X	X	X
3050	Freedom: Understanding the Nation	½			X	X
3045	College Prep Principals of Economics	1			X	X
3060	Local History	½		X	X	X
7210	Honors Humanities 100	1			X-(H)	X-(H)
3143	Psychology 101 College Credit Honors	½			X-(H)	X-(H)

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	BUSINESS					
4511	Accounting I	1		X	X	X
4513	Accounting II	1			X	X
4550	Principles of Marketing	½		X	X	X
4570	Sports Entertainment and Marketing	½		X	X	X
4580	Presenting in the Digital Business World	½		X	X	X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	Information Technology Department					
6433	Computer Applications I	½	X	X	X	X
6434	Computer Applications II	½	X	X	X	X
6445	Computer Applications – Graphic and Technology Design	½	X	X	X	X
6460	Intro Web Page Design	½		X	X	X
6438	CIS 105 (HACC Credit) Honors	½				X-(H)
6450	Emerging Technologies: Web 2.0	½		X	X	X
6455	Video Production	½	X	X	X	X
6458	VPC Live: Trojan News	½			X	X
6478	Trojan Sports Network (TSN)	½	X	X	X	X
6479	Trojan Sports Network (TSN)	1	X	X	X	X
6465	Website Design and Maintenance	½		X	X	X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	WORLD LANGUAGE					
5021	French I	1	X			
5022	French II	1		X		
5023	French III	1			X	
5224	Honors French IV (NOT OFFERED 2015-2016)	1				X-(H)
5031	Spanish I	1	X			
5032	Spanish II	1		X		
5033	Spanish III	1			X	
5234	Honors Spanish IV	1				X-(H)
5250	Honors Spanish V Independent Study	1				X-(H)
5041	German I	1	X			
5042	German II	1		X		
5043	German III	1			X	
5244	Honors German IV	1				X-(H)

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	BUILDING TRADES					
9010	Building Trades I	3		X	X	
9011	Building Trades II	3			X	X
9012	Building Trades III	3				X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	DIVERSIFIED OCCUPATIONS					
9510	Diversified Occupations I	1			X	X
9520	Diversified Occupations II	3				X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	PHYSICAL EDUCATION/HEALTH					
9109	Freshman Wellness	1	X			
9110	Sophomore Wellness	1		X		
9111	Junior Wellness	½			X	

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	FAMILY/CONSUMER SCIENCE					
9210	Nutrition and You	½	X	X	X	X
9220	Foods and You	½		X	X	X
9240	L.I.F.E	½		X	X	X
9270	Child Development	½			X	X
9416	Consumer Strategies	½	X			

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	INDUSTRIAL ARTS					
8011	Basic Cabinetmaking I	½	X	X	X	X
8311	Basic Cabinetmaking II	1		X	X	X
8411	Advanced Cabinetmaking	1			X	X
9310	Basic Drafting I	½	X	X	X	X
9315	Basic Drafting II	½	X	X	X	X
9316	Basic AutoCAD	½		X	X	X
9317	Advanced AutoCAD	½		X	X	X
9318	Architectural Drafting	1			X	X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	ART					
7830	Studio (A/B)	½	X	X	X	X
7831	Studio Art (Sem)	½	X	X	X	X
7832	Studio Art (Full credit)	1	X	X	X	X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	MUSIC					
7916	Foundations of Music Theory	½		X	X	X
7918	Honors Advanced Music Theory	½			X-(H)	X-(H)
7900	Choir Ensemble	½	X	X	X	X
7920	Piano/Keyboarding I	½	X	X	X	X
7921	Piano/Keyboarding II	½		X	X	X
7922	Piano/Keyboarding III	½			X	X
7923	Piano/Keyboarding IV	½				X
7902	Concert Band	½	X	X	X	X
7912	Honors Concert Band	½				X-(H)
7908	Vocal Musicianship (NOT OFFERED IN 2016-2017)	½	X	X	X	X
7909	Instrumental Musicianship	½	X	X	X	X
7940	Music Technology	½	X	X	X	X
7980	Music Appreciation	½	X	X	X	X
7950	Advanced Instrumental Music Study	½		X	X	X
7952	Instrumental Music Study	½	X	X	X	X
7990	Musical Theatre	½	X	X	X	X
7910	Honors Choir Ensemble	½				X-(H)

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	STUDENT ASSISTANTS					
9600	Teacher Assistant	1	X	X	X	X
9601	Teacher Assistant	½	X	X	X	X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	STUDENT SERVICES **(Only students with an IEP may take these courses)**					
1809	Functions Math	1	X			
1810	Functional Math 10	1		X		
1811	Functional Math 11	1			X	
1812	Functional Math 12	1				X
9750	Intervention(Full Credit)	1	X	X	X	X
9751	Intervention (Sem)	½	X	X	X	X
9752	Intervention (AB)	½	X	X	X	X

Number	Course	Credits	GRADE 9	GRADE 10	GRADE 11	GRADE 12
	AGRICULTURE AND NATURAL RESOURCES					
8040	**Intro to Agriculture & Natural Res.**	**½**	**X**			
8053	**Intro to Animal, Plant and Soil Science (*Sci)**	**½**	**X**	**X**		
8051	**Intro to Environmental Science & Agricultural Mechanics (*Sci)**	**½**	**X**	**X**		
8017	**Advanced Agriculture Mechanics**	**½**		**X**	**X**	**X**
8016	**Engine & Machine Technology**	**½**		**X**	**X**	**X**
8034	**Equine Management (Offered 2016/2017)**	**½**		**X**	**X**	**X**
8022	**Forestry**	**½**		**X**	**X**	**X**
8032	**Greenhouse Production & Management**	**½**		**X**	**X**	**X**
8033	**Dairy and Livestock Production & Mgt. (Not Offered 2016/2017)**	**½**		**X**	**X**	**X**
8036	**Meat & Food**	**½**		**X**	**X**	**X**
8031	**Advanced Horticulture**	**½**		**X**	**X**	**X**
8021	**Crop and Soil Science (*Sci)**	**½**		**X**	**X**	**X**
8014	**Small Gas Engines**	**½**		**X**	**X**	**X**
8035	**Animal Science (*Sci)**	**½**		**X**	**X**	**X**
8013	**Basic Welding**	**½**		**X**	**X**	**X**
8113	**Advanced Welding**	**½**			**X**	**X**
8023	**Wildlife Mgt. & Conservation**	**½**		**X**	**X**	**X**
8041	**Supervised Agriculture Experience (A/B)**	**½**		**X**	**X**	**X**
8042	**Supervised Agriculture Experience (sem)**	**½**		**X**	**X**	**X**
8043	**Supervised Agriculture Experience**	**1**		**X**	**X**	**X**

Level I Course

(8040) Introduction to Ag & Natural Resources

This ½ credit course introduces students to the agricultural and natural resources industries and to the FFA. Because of its general content, this course is strongly suggested for all career paths. It can be taken any time, but it is strongly suggest that students take this course in the freshman year.

Level II Courses

Important note: It is strongly suggested that students complete both Level II courses by the end of their sophomore year.

(8053) Introduction to Animal, Plant Science, and Soil Science (*Sci)

This ½ credit course focuses on the scientific principles underlying the study of animals, plants, and soils. This course intended to pair with 8051 whenever a student's schedule permits, and it is a prerequisite for many Level III courses, as specified below.

(8051) Introduction to Environmental Science and Agricultural Mechanics (*Sci)

This ½ credit course focuses on the scientific principles underlying the study of wildlife and forests. Scientific principles related to machine systems will be touched upon as well. This course intended to pair with 8053 whenever a student's schedule permits, and it is a prerequisite for many Level III courses, as specified below.