

UNIONVILLE HIGH SCHOOL

2009 - 2010

Course Selection Guide

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INTRODUCTION

This course selection guide is a resource to assist students, parents, and educators as they plan a program of studies designed in accordance with students' interests, needs and career goals. Please read this section carefully as it represents important changes in the course selection process. This guide is designed to help students and parents -- together with counselors, teachers, and administrators -- develop the best possible program for each student attending Unionville High School.

All courses have been aligned to the Pennsylvania Academic Standards.

Selecting courses of study is a serious undertaking. A student's choices can affect future courses, college life and eventually even one's career choices.

During the course selection process, students have an opportunity to discuss their requests with teachers in various departments. When a teacher makes a recommendation for a course, several criteria are considered. These criteria include, but are not limited to:

- ◆ The students' performance in previous courses.
- ◆ The student's attitude towards the work necessary.
- ◆ The required skills for the chosen course.
- ◆ The student's performance in other "predictors" of success.

A teacher recommends placement in a particular course when the student's performance and background indicate that the student has the highest chance to be successful. Teachers give serious consideration to these recommendations.

Please give careful thought to student ability, past academic performance, work ethic and future education and vocational goals when you and your student request course placement.

In addition to educational and vocational goals, students should also evaluate Unionville's graduation requirements. All students are to carry a minimum of five and one-half credits (5 1/2) and enroll in thirty (30) class periods per cycle per semester.

When students fill out the selection form, they need to remember that they must meet the prerequisites for final placement in the proposed courses. After the selection process is completed, students are to have parents review and sign the proposed course selection sheet.

Students' futures depend upon the choices that they make initially and upon those made as they progress from one grade to another. Students should familiarize themselves with the content of this course selection guide. They should study the curriculum guide carefully. **Last date for schedule changes is Tuesday, July 7.** After that date, all selections are binding for the entire school year unless changes are initiated by teacher/counselor/administrator.

Our policy is that schedule changes be restricted to improper academic placements or previous course failures. Students are committed to the courses selected by July 7. Students are expected to complete assigned summer work for courses selected. Summer work contributes to course grades. Failure to complete summer work is not a reason to change a student's schedule. EXTREME CARE SHOULD BE TAKEN IN COMPLETING THE COURSE REGISTRATION ON-LINE.

All student course request sheets must contain the parent's or guardian's signature as an indication of their awareness of and commitment to the student's planned and chosen program of study.

If a parent disagrees with a recommended course placement, he or she should contact the recommending teacher to discuss rationale for the recommendation. If a parent still has concerns about course placement, he/she should contact the Counseling Office to discuss options that are available. A parental waiver of course prerequisites is one option that may be discussed. Waiver of prerequisites can only be considered if course sections have sufficient open seats.

All course offerings are subject to cancellation or closing of sections due to staffing, facilities, and enrollment. If a course is overbooked, seniors will be given priority to take that course where possible. When making selections, students must list alternative courses on the course selection sheet.

Graduation Requirements

Each student must earn a minimum of 22 credits in grades 9 through 12 in order to graduate from Unionville High School.

<u>Units of Credit</u>	<u>Course</u>
4	English
4	Social Studies
3	Mathematics
3	Science
1	Arts or Humanities
1.5	Health and Physical Education
0.5	Windows Software Applications
5.0	Electives

As part of the high school graduation requirements, students shall complete a project in one area of concentration under the guidance and direction of the Unionville High School faculty. Students shall be required to meet the project demonstration criteria as set forth in the Chapter 4 Curriculum Regulations of the State Board of Education.

The Chester County Technical College High School

The Chester County Technical College High School is a joint venture of the Chester County Intermediate Unit and Delaware County Community College. The Chester County Technical College High School will offer career and technical programs for high school students such as the ones now offered at the Center for Arts & Technology; and Delaware County Community College will offer associate degree programs to college students. Students will spend a half day at Unionville High School and a half day at the Technical College High School. The Technical College High School is located in Penn Township and will serve high school students residing in Avon Grove, Kennett-Consolidated, Oxford and Unionville-Chadds Ford School Districts. As a public high school, the Technical College High School is free to high school students residing in these public school districts. Upon high school graduation, students are able to attend 2-year and 4-year colleges. A complete listing of courses offered can be found on pages 109, 110, and 111.

COURSE SELECTION SUGGESTIONS

Unionville High School offers courses at the First Level, Academic, Honors, and Advanced Placement (A.P.) levels. A student who has demonstrated a strong interest and ability in a particular subject may elect the A. P. (College Level) or Honors course, if available, provided that all the prerequisites are met. Students who plan to further their education beyond high school should choose the Academic level or higher, which is college preparatory in nature.

The First Level courses include strong thinking and study skill components, are aligned to the Pennsylvania Academic Standards, and are appropriate for those students who need more intense assistance in particular courses. First Level courses meet the requirements for pursuing further education beyond high school.

The selection of Advanced Placement and Honors courses must be made with great care. Each course with these designations places rigorous and time consuming expectations upon the student. Please be mindful that some of the A.P. and Honors courses require intensive summer work. A change of schedule will not be granted due to a student's failure to complete summer work. Selection of more than two courses of this type is often too demanding for many students. Selection of these courses should be done with teacher and counselor advice.

Following is a suggested 4-year sequence of courses.

9th Grade

English
Western Civilization
Science
Math
Windows Software Applications
Language
Health/Physical Education
Electives

10th Grade

English
Cultural Studies
Science
Math
Language
Physical Education
Electives

11th Grade

English
U.S. Cultures
Science
Math
Language
Health/Physical Education
Electives

12th Grade

English
Government and Economics
Science
Math
Language
Physical Education
Electives

Electives may be chosen from offerings in any department beyond the required courses.

Scheduling Suggestions for 8th Grade Parents

1. High School credit will be granted only for courses passed while the student is enrolled in classes taken at the high school.
2. Classes should be scheduled according to each student's abilities.
3. Selection of Honors level courses should be made with teacher and counselor advice. Course prerequisites must be met for entrance into courses.
4. If a student has received reading help in 6th, 7th, or 8th grade, consider taking First Level English and postpone starting a foreign language.
5. Students are required to take Health/PE (6015/6115) and Windows Software Applications (6505) in Grade 9.
6. If you are unsure about course selection, contact your counselor at the Middle School (347-2000) .

Credits for Graduation

Courses are worth 1 credit for year long courses, .5 credit for half year courses, .25 credit for physical education and .25 credit for health. All courses regardless of credit designation, are included in the calculation of GPA.

NCAA ELIGIBILITY REQUIREMENTS

“In recognition of its responsibility to ensure that student-athletes have every chance to get an education, the National Collegiate Athletic Association (NCAA) has implemented a series of increasingly strict academic standards.

A student who wants to compete in either Division I or II sports must complete 16 core academic courses and achieve a core-course grade point average and SAT or ACT scores which meet a qualifier index standard as established by the NCAA.

A core course is defined by the NCAA as “a recognized academic course (as opposed to a vocational or personal-service course) that offers fundamental instructional components in a specified area of study.” At least 75 percent of a course’s content must be academic in nature. Course titles with words like “practical,” or “first level”, or “applied” will raise questions from the clearinghouse. Further, remedial and special education courses are not considered core courses.

Some examples of what the clearinghouse considers vocational, in addition to traditional vocational education classes, include a television production course or an accounting class. Both classes are worthwhile but are aimed at teaching a specific skill or set of skills. Examples of personal service course content include standardized test preparation, consumer math, and consumer economic classes.

The 16 core courses are only a subset of the student’s entire high school education. Just because a course does not meet the NCAA’s standards for a core course does not mean the course is not valuable or an important part of a high school education. It simply means that it cannot count for NCAA initial eligibility purposes.”

If you have any questions or need more information, check with your Counselor in the Counseling Center.

INDEPENDENT STUDY GUIDELINES

Independent Study is designed to meet the educational needs of students who are interested in pursuing a course of study beyond the requirements of high school graduation.

At the high school level, Independent Study is reserved for students who have demonstrated exceptional competence within a given discipline.

Students who are interested in undertaking Independent Study must complete an application available from the Counseling Center.

Guidelines for Independent Study are as follows:

1. Only one Independent Study Program may be undertaken for credit by a student within any academic year.
2. The maximum value for a single Independent Study Program is 0.5 credit.
3. No more than two (2.0) credits may be earned by any one student through Independent Study during grades 9-12.
4. Independent Study Programs cannot be substituted for required courses.
5. The Independent Study Mentor must be a certified teacher approved by the Principal.
6. Independent Study applications must be completed before work on the contract may commence.

ENGLISH (1000 SERIES)

One credit per year in English is required for graduation. **An underclassman may not gain graduation credit in a grade-level course until he/she has earned graduation credit in the previous grade level.**

Students grades 9-12 are required to complete summer readings. Titles will be announced in English classes and the website. Students' evaluations will be based on the assigned summer reading. We highly recommend that each student keep a summer reading journal. Students (except those in 11 AP and 12 AP) will be permitted access to this journal during the first two cycles of reading assessment. In addition to the summer reading, students will be held accountable for specific grammar concepts taught during the previous years. Therefore, students should review their grammar notes during the summer. All of the English courses listed are standards based.

JUNIORS AND SENIORS.....TO ASSIST COURSE SELECTION, PLEASE REVIEW SEQUENTIAL FLOW CHART OF COURSES FOUND AFTER PAGE 31.

Important New Scheduling Opportunity for 11th graders

There are two options for academic students:

- Choose Course No. 1026 English 11 Academic and earn 1 credit.

or

- Choose the Core Elective Program. You can earn 1 credit by taking 2 semester courses. You must choose Course No. 1405 and then select either Course No. 1415, 1416 or 1425. These courses are found on pages 19 and 20.

Important New Scheduling Opportunity for 12th graders

There are two new options for academic students:

- Choose Course No. 1036 English 12 Academic and earn 1 credit

or

- Choose the Core Elective Program. You can earn 1 credit by taking 2 semester courses. You must choose Course No. 1505 and then select either Course No. 1515, 1516, or 1525. These courses are found on pages 25 and 26.

1005 English 9 First Level

The focus of English 9 First Level is the effective use of language for communication. Instruction in this course is focused on helping the students to reach proficiency in the English/Language Arts section of the Pennsylvania Standards Test for ninth graders. The curriculum, which includes the study of specific novels, short stories, poetry, grammar, and vocabulary, concentrates on attaining these skills. All assignments include skills that can be applied to post graduate endeavors. Independent reading during the summer is required of all students and will be assessed during the school year. Student preparation time will vary throughout the course, averaging 20 minutes per night. (*Based on reading proficiency)

Classes per cycle: 6

Level of Course: First Level

Credits earned: 1

Grade Level: 9th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation.

Prerequisite: Students must have successfully completed 8th grade English.

1006 English 9 Academic

The ninth grade academic English course focuses on multiple experiences in a variety of literary genres. Classes will focus on thematic and literal meanings of readings as well as the literary devices related to various genres. This course emphasizes instruction and practice in oral and written composition and also improvement of language skills. Students are challenged to demonstrate skills in a variety of written responses to informational, persuasive and creative assignments. Basic grammar skills taught in eighth grade are the expected knowledge base. Additional skills will be taught and reinforced. Students are responsible for retaining skills, completing assignments and participating in class. Independent reading during the summer is required of all students and will be assessed during the school year. Students will read approximately five novels/plays in addition to poetry, short stories, and summer reading. Student preparation time will vary throughout the course, averaging 30 minutes per night. (*Based on reading proficiency)

Classes per cycle: 6

Level of Course: Academic

Credits earned: 1

Grade Level: 9th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation.

Prerequisites:

1. Passing grade in current English class.
2. Recommendation to take academic level from current English teacher.

1007 Honors English 9

Honors English 9 is a reading, writing, and grammar intensive course designed for the motivated freshman. Areas of study include extensive investigation of literary devices as well as author motivation and historical context. Students are expected to research, to analyze and to interpret each piece of literature and to participate in classroom discussions. Writing expository/informational and persuasive essays is the main focus; students are expected to include literary and researched proof in their essays and to have a firm working knowledge of the grammar skills taught in 8th grade. Grammar skills will be reinforced and taught. Independent reading during the summer is required of all students and will be assessed during the school year. Students will read approximately 7 novels/plays in addition to poetry, short stories, and summer reading. Student preparation time will vary throughout the course, averaging 45 minutes per night. (*Based on reading proficiency)

Classes per cycle: 6

Level of Course: Honors

Credits earned: 1

Grade Level: 9th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation.

Prerequisites: Student must fulfill the following requirements in order to take honors level in ninth grade.

1. An "A" average in eighth grade English.
2. A student letter of declaration submitted to the current eighth grade teacher explaining: intention to take honors level, student motivation, English grade average, and goals for achievement. The student will submit this letter to his/her current English teacher at the time of course selection
3. Recommendation to take honors from current English teacher.

1009 Foundations of Western Thought (9th grade Academic)

Foundations of Western Thought is an integrated English and Social Studies course focusing on the same curricular goals as the Academic English and Academic Western Civilization courses, but with a thematic and chronological focus. This course will focus on the history and literature of Ancient Greece, The Roman Empire, Medieval/Middle Ages, Renaissance and Reformation, the French Revolution, the Industrial Revolution, Nationalism and Imperialism, World War I, and Lenin and the Bolsheviks in Russia. In this class students will have an extended ninety minute period, which will allow students to spend time developing communication, critical thinking, and reading skills through literary and historical contexts. This course will emphasize connective thinking and discussion, the process of research, the mechanics of writing, and creative projects and presentations.

1009 Foundations of Western Thought (cont'd)

Students electing this course should have strong organizational skills and ability to work both independently and in groups.

Classes per cycle: 6

Level of Course: Academic

Credits earned: 1

Type of Course: Fulfills a Social Studies graduation requirement.

Length of Course: Year

Grade Level: 9th

Prerequisites: Students must fulfill the following requirements to take the academic level in 9th grade.

1. A passing grade in current 8th grade English class.
2. Recommendation to take academic level from current English teacher.

1015 English 10 First Level

Building upon the ninth grade year, teachers will reinforce thinking skills designed to improve the students ability to organize, to learn and to recall information. Instruction in this course is focused on ensuring that the students reach proficient in the English/Language Arts section of the Pennsylvania Standards at the tenth grade level. These standards will be delivered through the examination of various types of literature from around the world, and the study of grammatical concepts, vocabulary, and writing skills. Assignments include practicing skills that can be applied to post graduate endeavors. Independent reading during the summer is required of all students and will be assessed during the school year. Students will read approximately 3 novels/plays in addition to poetry, short stories, and summer reading. Student preparation time will vary throughout the course, averaging 20 minutes per night. (*Based on reading proficiency)

Classes per cycle: 6

Level of Course: First Level

Credits earned: 1

Grade Level: 10th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation.

Prerequisite: Students must have successfully completed 9th grade English.

1016 English 10 Academic

Based on the foundation established in the ninth grade curriculum, the tenth grade standard based course will use a genre approach to investigate literature: Greek drama, Shakespeare, modern drama, short stories, poetry and novels. The curriculum continues to focus on reading, writing and word study in a variety of structured situations. A working knowledge of grammar skills is required and will be formally reinforced. Students are expected to show increasing ability to think independently and to express themselves in oral presentation and written essays. Reading comprehension and analysis are assessed during the school year. Summer reading is required of all students. Students will read approximately 7 novels/plays in addition to poetry, short stories, and summer reading. Student preparation time will vary throughout the course, averaging 30 minutes per night. (*Based on reading proficiency)

Classes per cycle: 6

Level of Course: Academic

Credits earned: 1

Grade Level: 10th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation

Prerequisites: Students must fulfill the following requirements in order to take the academic level in tenth grade:

1. Passing grade in current English class.
2. Final grade of "A" in current general studies English.

1017 English 10 Honors

The tenth grade Honors course builds on the language arts experience of the ninth grade with greater breadth and depth. A firm working knowledge of the grammar skills taught in ninth grade is essential for the successful further exploration of authors, topics, literary genres, writing styles and grammatical principles. The course will focus on the relationship of literature to life experience. Independent thinking and creative expression are greatly encouraged. Emphasis is placed on many varieties of writing including assignments which require the use of the writing process as well as timed writings which prepare students for future assessments. Competent use of research skills is expected and will be expanded. Independent reading during the summer is required of all students and will be assessed during the school year. This course is for motivated students who read quickly and perceptively. PA state standards will be monitored and reinforced. Students will read approximately 9-10 novels/plays in addition to poetry, short stories, and summer reading. Student preparation time will vary throughout the course, averaging 45 minutes per night. (*Based on reading proficiency)

English 10 Honors (Cont'd.)

Classes per cycle: 6

Level of Course: Honors

Credits earned: 1

Grade Level: 10th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation .

Prerequisites: Students must fulfill the following requirements in order to take honors level in tenth grade.

1. Final grade of "B" or higher in current honors level English class.
2. Final grade of "A" in current academic level English class.
3. Recommendation to take honors level from current English teacher.
4. A student letter of declaration submitted to the current ninth grade teacher explaining: intention to take honors level, student motivation, English grade average, and goals for achievement. The student will submit this letter to his/her current English teacher at the time of course selection.

1025 English 11 First Level

The eleventh grade English course, based on American Literature, builds on the learning and skill levels developed in the ninth and tenth grades. In the study of various forms of literature, students experience the people, the places, the ideas, and the language of America, and practice grammatical concepts, vocabulary, and writing skills. Those studies will be done through an instructional emphasis on the Pennsylvania Standards and students aim is to become proficient on the PSSA test for Reading and Writing.

***Students who show academic success in the first semester may (with teacher recommendation) have the option for second semester to take an English Core Elective course.**

Classes per cycle: 6

Level of Course: First Level

Credits earned: 1

Grade Level: 11th

Length of Course: **Year ***

Type of Course: Fulfills an English requirement for graduation.

Prerequisite: A passing grade in 10th grade English

1026 English 11 Academic

The junior year focuses on the development of American literature by tracing themes which recur at various periods in the nation's history. A goal of the course is to have students discern, in formal writing and in various scaffolding activities, the uniqueness of America. An extensive review and study of formal grammar and vocabulary will be completed. The students learn to use MLA style documentation to complete a research paper. Frequent writing by the students is of a critical nature and is directly related to the developmental and thematic focus of American literature. Students read The Scarlet Letter by Nathaniel Hawthorne, The Adventures of Huckleberry Finn by Mark Twain, and The Great Gatsby by F. Scott Fitzgerald in addition to the summer reading list. Independent reading during the summer is required by all students, and will be assessed during the school year. Students will be assessed on: a variety of expository essays, vocabulary, objective and short answer tests dealing with literature, objective and short answer tests dealing with the historical context of the literature, objective and short answer tests dealing with biographical information on the authors of stories, class discussion and participation. Students will read approximately 5 supplemental novels/plays in addition to poetry, short stories, and summer reading. Student preparation time will vary throughout the course, averaging 30 minutes per night. (*Based on reading proficiency)

Classes per cycle: 6

Level of Course: Academic

Credits earned: 1

Grade Level: 11th

Length of Course: Year

Type of Course: Fulfills an English requirement
for graduation.

Prerequisites: Students must fulfill the following requirements in order to take the academic level in eleventh grade:

1. Passing grade in current English class.
2. Final grade of "A" in current general studies level English class.
3. Recommendation to take the academic level from current English teacher.

1027 Honors English 11

Honors English 11 is a reading and writing intensive course for the highly motivated 11th grader willing to assume a rigorous and challenging study of American Literature and culture. Independent thinking, reading and creative expression are greatly encouraged. A solid background in grammar is expected. The literature is arranged and explored in order of historical events. Evaluations are based on lecture, small and large group activities and presentations, individual assignments, readings, quizzes, essays, and tests. Independent reading during the summer is required and will be essential during the school year. Student preparation time will vary throughout the course averaging 45 minutes per night.

Classes per cycle: 6

Level of Course: Honors

Credits earned: 1

Grade Level: 11th

Length of Course: Year

Type of Course: Fulfills and English requirement
for graduation.

Prerequisites: Students must fulfill the following requirements in order to enroll in 11th Grade Honors.

1. Final grade of "A" in tenth grade Academic English.
2. Final grade of "B" or higher in tenth grade honors.
3. Recommendation of 10th grade English teacher.

1028 Advanced Placement English Language and Composition

This course is designed to facilitate and to encourage higher level thinking skills and should help students become skilled readers and effective writers in a variety of disciplines and rhetorical contexts. Students will study prescriptive grammar concepts, write in the four rhetorical modes of discourse, analyze professional writing models and practice producing essays similar to these models. Students in AP Language and Composition will study and practice stylistic effects which are the result of syntactical choices and careful diction.

The aim of AP Language and Composition is to develop effective, competent student writing and critical reading skills, and to develop writing styles adaptable to a variety of occasions and needs. Enrollment in this course requires that students already have a command of standard English grammar. Students will be required to demonstrate this proficiency. Students will also have summer reading requirements. Students are expected to take the AP Examination in May. Student preparation time will vary throughout the course, averaging one hour per night, depending on reading proficiency.

Classes per cycle: 6

Level of Course: Advanced Placement

Credits earned: 1

Grade Level: 11th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation.

Prerequisites: The following are recommendations for a student who wishes to take AP English 11.

1. Final grade of "B" or higher in 10th grade Honors English
2. Final grade of "A" in tenth grade Academic English.
3. Recommendation to take AP from the current English teacher.
4. A student letter of declaration submitted to the current tenth grade teacher explaining: intention to take honors level, student motivation, English grade average, and goals for achievement. The student will submit this letter to his/her current English teacher at the time of course selection.

1029 Honors English and History 11 (American Studies)

American Studies is an interdisciplinary, team-taught honors course combining American history with American literature and culture. Events in American history are arranged and explored in chronological order. Each unit presents a topic, thematic question and one or more recurring themes which we will investigate through events in political history, literary works, and other artistic expressions reflective of each period. Evaluations are based on lecture, small and large group activities and presentations, individual assignments, readings, quizzes, essays and tests. One grade for the course will appear on report cards. This course is based on the PSSA Standards for English and History. Independent reading and site visitations during the summer are required of all students and will be essential during the school year. Student preparation time will vary throughout the course averaging 45 minutes per night.

Classes per cycle: 6

Level of Course: Honors

Credits earned: 2

Grade Level: 11th

Length of Course: Year

Type of Course: Fulfills an English and Social Studies requirement for graduation

Prerequisites: Students must fulfill the following requirements in order to enroll in American Studies:

1. Final grade of "A" in tenth grade English and History.
2. Final grade of "B" or higher in tenth grade Honors.
2. Recommendation of tenth grade English and History teacher.

11th Grade Core Elective Program
(Students must select 1405 and either 1415, 1416, or 1425)

1405 American Literature Survey

This course is a **mandatory** semester course for the 11th grade student participating in the Core Elective Program. This course will examine the historical and cultural impact on the literature of the United States. Students will examine representative works from American literature, and be asked to synthesize new learning and reading making critical connections about their contemporary world. Based on the class discussion format, students will be given an opportunity to explore new ideas, and incubate ambitious and thought provoking arguments. The student will examine the historical framework and a sample of some of the representative works produced in each period.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	5	<i>Grade Level:</i>	11th
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an English requirement
<i>Prerequisite:</i>	Passing grade in 10th grade English		for graduation

1415 Grammar and Composition for the College Bound Student

This course is designed for the motivated 11th grade student who is interested in improving his/her writing. Examining professional prose models from newspapers, magazines and essay anthologies, students will conduct a thorough study of prescriptive grammar, stylistic choices and vocabulary that will inform their writing. Students will learn to write a wide range of rhetorical modes and strategies and learn to write a variety of essays including narrative, descriptive, compare and contrast, expository and persuasive.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	5	<i>Grade Level:</i>	11th
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an English requirement
<i>Prerequisite:</i>	Passing grade in 10th grade English		for graduation

1416 Contemporary Fiction for the Young Adult

This course will emphasize the reading of contemporary literature while fostering skills such as making connections, reading for comprehension, actively participating in discussion and analyzing literature. The contemporary selections will demonstrate that all literary conventions are used in modern literature. Students will select their books of interest from the following genres of study: Science Fiction, Realistic Fiction, Memoir, Fantasy, Romance, Suspense, Adventure, Horror, and Spiritual. The students will be asked to make modern critical connections to history, their lives, the world, and other literature.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> 5	<i>Grade Level:</i> 11th
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an English requirement
<i>Prerequisite:</i> Passing grade in 10th grade English	for graduation

1425 Drama Survey

This course is designed for the motivated 11th grade student who desires to focus on an in-depth study of the historical development of drama from its Green origin up to modern day. It will focus on extending student knowledge based on the study of playwrights, drama, and theatrical conventions. The course will include a performance component, research, critical analysis, and the viewing of several productions.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> 5	<i>Grade Level:</i> 11th
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an English requirement
<i>Prerequisite:</i> Passing grade in 10th grade English	for graduation

1036 English 12 Academic

In the senior year, students will read and analyze works of British and World literature, organized in thematic units from the Anglo-Saxon period to the 21st century. Poetry, drama, short stories, essays, and novels will be read and discussed. The student will be asked to make modern critical connections to the text. One Shakespeare play will be studied in detail. Students will exercise writing skills by composing various types of formal and informal essays. A research paper written in MLA style will be required of all students.

An extensive review of formal grammatical usage and vocabulary will be completed. Independent readings during the summer, and throughout the entirety of the school, will be required of all students.

Classes per cycle: 6

Level of Course: Academic

Credits earned: 1

Grade Level: 12th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation.

Prerequisite: Students must fulfill the following requirements in order to take the academic level in twelfth grade.

1. Passing grade in current English class.
2. Recommendation to take academic level from current English teacher.

6705 Applied Communications

This one year course is designed to provide a comprehensive grammar review, along with effective business letter and memo instruction. Other forms of communication are also studied, such as oral communication, group communication, work ethics and attitudes, and stress management on the job. In addition, preparation for a successful job interview and research paper relating to the student's chosen career will be completed. Integrated into this course are projects requiring group work, community contacts, and practical application. Thinking skills for this level are also incorporated to ensure greater success and skill development for the students. The computer is used to enhance learning in punctuation instruction and for letters and reports.

Classes per cycle: 6

Level of Course: All students

Credits earned: 1

Grade Level: 12th

Length of Course: Year

Type of Course: Fulfills an English requirement for graduation.

1037 English 12 Honors

Honors English 12 is a reading and writing intensive course designed for the highly motivated senior willing to assume a rigorous and challenging study of American, British and World literature. This course will examine works of the imagination--epic poems, novels, short stories, plays, and nonfiction essays. In this course students will, through extensive research and close literary analysis, explore ideas and formulate assertions. Each semester, students will complete essays and creative works. In addition, students will give oral presentations and write research papers. Honors English 12 gives students a deeper understanding of complex aspects of literature and the English language and its relevance to contemporary issues.

Classes per cycle: 6

Level of course: Honors

Credits earned: 1

Grade Level: 12

Length of course: Year

Type of course: Fulfills an English requirement
for graduation

Prerequisites: Students must fulfill the following requirements to take Honors English 12.

1. At least a "B" average in eleventh grade AP English or American Studies
2. At least an "A" average in eleventh grade academic English
3. Recommendation of the current English teacher
4. A student moving from Academic English to Honors English must write a letter of declaration to the current teacher explaining his/her intentions, motivation and goals for achievement.

1038 Advanced Placement English 12 — Literature and Composition

The twelfth grade Advanced Placement English course provides the opportunity for a student to take a college level course in high school, and it offers possible college credit for those who pass a standardized test. Students who enroll in Advanced Placement English are expected to take the Advanced Placement exam in May.

Through an intensive and rigorous study of representative works from a series of literary genres and literary periods, students extend their awareness of language and writing. Students analyze critically and respond in writing to specific works of literature; they write myriad in class essays, give oral presentations, partake in Socratic seminars and scored discussions. These discussions make up a significant portion of a student's grade. Using the MLA method of documentation, students complete two in depth research papers on assigned topics. Students are expected to learn and to use literary terminology in their essays and to prove their assertions by citing primary and secondary works. Students study vocabulary and are expected to use grammar skills learned in previous grades. All students are expected to complete summer reading. A list of books required to be read over the summer and during the school year is available from the teacher. Student preparation time will vary throughout the course, averaging approximately one hour per night.

Classes per cycle: 6

Level of Course: Advanced Placement

Credits earned: 1

Grade Level: 12th

Length of Course: Year

Type of Course: Fulfills an English requirement
for graduation.

Prerequisites: A student should meet the following requirements to enroll in twelfth grade AP English.

1. At least a "B" average in eleventh grade English AP, 11th grade Honors English, or American Studies.
2. At least an "A" average in eleventh grade academic English.
3. Recommendation to take AP from the current English teacher.

12th Grade Core Elective Program
(Students must select 1505 and either 1515, 1516, or 1525)

1505 British and World Literature Survey

This course is a **mandatory** semester course for the 12th grade student participating in the Core Elective Program. This course will examine the history of the English language through fictional and non-fictional works – epic poems, novels, short stories, plays and non-fiction essays. Based on the class discussion format, students will be given an opportunity to explore new ideas and incubate ambitious and thought-provoking arguments.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> .5	<i>Grade Level:</i> 12th
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an English requirement
<i>Prerequisite:</i> Passing grade in 11th grade English	for graduation.

1515 Literature, Society and Self

This course is an introduction to critical thinking about the construction of self. What role does gender, class, ethnicity and family play in shaping who we are? Through reading the work of a diverse group of primarily contemporary writers, we will examine how society shapes our individual lives and how, in turn, individuals can shape society. This course is designed to support and foster a love of reading.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> .5	<i>Grade Level:</i> 12th
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an English requirement
<i>Prerequisite:</i> Passing grade in 11th grade English.	for graduation.

1516 Sports Literature: A Reflection of World Culture

Students will examine both classical and contemporary works that explore the role of sports in society. Students will read and write critically about the cultural, social and historical connections between sports and the society at large. Students will be researching sports writing in newspapers, magazines, novels and other works.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	12th
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an English requirement
<i>Prerequisite:</i>	Passing grade in 11th grade English		for graduation.

1525 Biblical and Classical Allusions in Modern Society

This course is designed for motivated 12th graders who desire to make relevant cultural connections between classical and biblical writings and modern culture. Students will analyze media such as literature, art, film, TV, song lyrics and marketing and advertising as sources for developing this new level of comprehension.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	12th
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an English
<i>Prerequisite:</i>	Passing grade in 11th grade English		requirement for graduation.

ELECTIVE COURSES:

The English Department has designed the following electives to be made available to students in grades ten, eleven, or twelve who have an interest in the topics covered by the courses. THESE COURSES ARE DESIGNED FOR THE PURPOSE OF ENRICHMENT, AND MAY NOT BE TAKEN IN PLACE OF A COURSE IN THE CORE CURRICULUM NEEDED FOR GRADUATION CREDITS IN ENGLISH. The credit earned by the successful completion of any elective may be applied toward the credits in Humanities required for graduation. No course may be taken more than once.

1115 Yearbook/Journalism

Yearbook journalism is a one semester course which will be offered to all students once or twice per year. The course will teach students: basic journalistic ethics and legal protocol, proper news writing style, headline writing, caption writing, typography selection, page layout design and construction, how to integrate photography and copywriting into cohesive and contemporary pieces and how to advertise and market a publication. Students will have the opportunity to have their work featured in The Blue and Gold yearbook and to assist the yearbook staff in other projects.

Classes per cycle: 6

Level of Course: All Students

Credits earned: .5

Type of Course: Elective

Length of Course: Semester

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: To enroll in this course students must have a B average or better in English and a B or better average in a basic photography course. Students may, alternately, demonstrate proficiency in basic photography skills by assembling and submitting to the teacher a portfolio of their work which demonstrates these skills.

1116 English - Creative Writing

This standard-based writing course is designed to improve the student's writing ability. Through a variety of writing assignments students will learn to express their ideas with greater clarity. Writing is shared with the class and peer editing is emphasized. Class discussion is geared to sharpen listening skills and critical thinking. Writing includes journals, narratives, editorials, short stories and a children's story. Student preparation time will vary throughout the course averaging 15-30 minutes per assignment with some exceptions.

Classes per cycle: 6

Level of Course: All

Credits earned: .5

Grade Level: 10th, 11th, 12th

Length of Course: Semester

Type of Course: Elective

1125 Theater Production Ensemble

Students who love all aspects of theater will gain an experience whether on stage, back stage, and/or tech crew. The course will culminate with a performance. Students will review and select a play, direct, assist, advertise, build sets and establish a lighting design.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned.:</i>	.5	<i>Type of Course:</i>	Elective
<i>Length of course:</i>	Semester	<i>Grade Level:</i>	10th, 11th, 12th
<i>Prerequisite:</i>	A passing grade in 9th grade English		

1126 English - Film as Art and Literature

Film has had a significant influence on our culture during the past century. Intelligent viewers need an awareness and appreciation for the art and artistry of film. This standard-based course, which takes a historic approach to film, will examine the genres of comedy, drama, western, science fiction and horror. Films will be viewed from an aesthetic, historical and technical perspective, addressing such film art topics as composition, shots, angles, lenses and editing. Literary concepts such as point of view, characterization, setting and conflict will be studied. Students will demonstrate their knowledge of the silent and sound eras by writing, directing and editing two short films. Student preparation time will vary throughout the course averaging 15-30 minutes per assignment with some exceptions.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	10th, 11th, 12th
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Elective

1136 English - Public Speaking

Public Speaking offers a valuable study and practice in public speaking for future needs. A variety of speeches will be given: informative, persuasive, and entertaining. Students will acquire the skills of organizing, introducing, developing, and concluding ideas. The use of voice, visual aids, body language, hand gestures, and eye contact will also be developed. Student preparation time will vary throughout the course, averaging 15-30 minutes per assignment with some exceptions.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Type of Course:</i>	Elective
<i>Length of Course:</i>	Semester	<i>Grade Level:</i>	11th and 12th (If openings remain, 10th graders may be scheduled).

ENGLISH LANGUAGE LEARNER COURSE DESCRIPTIONS

0905 ELL Newcomer Course/Entering Language Learner

The Newcomer Course is a standards-based course designed for newly arrived English Language Learners. Initially students are introduced to basic survival vocabulary and dialogues to help them in day-to-day communication. This course focuses on the development of literacy in English. The newcomer is introduced to the basic grammar of English: parts of speech, modals, contractions, and sentence patterns in order to provide a framework for reading and writing. The curriculum also includes the development of learning strategies as well as dictionary and word analysis skills. The course includes the technology components of audio, video, and computer software. Oral expression and listening skills are emphasized.

Classes per cycle: 6

Length of course: Year

Credits earned: 1

Type of course: Fulfills an English requirement
for graduation.

0906 ELL Beginner Introductory Course/Beginning Language Learner

This course is a standards-based course designed to motivate students to succeed in all areas of academic and survival English. This is a content-based course whereby English is taught through authentic literature and informational readings in social studies and science. Systematic skills instruction in spelling, phonics, and vocabulary development are integrated throughout the readings. Descriptive grammar techniques are used within the framework of writing instruction. The course includes the technology components of audio, video, and computer software. Oral expression, listening skills, and vocabulary development are emphasized.

Classes per cycle: 6

Length of Course: Year

Credits earned: 1

Type of Course: Fulfills an English requirement
for graduation.

0907 ELL Intermediate Course/Developing-Expanding Language Learner

This course is a standards-based course that builds on the skills taught in the Beginner Course with a concentration on the development of higher level grammar and usage skills. This course focuses on active reading strategies to help develop independent reading in the content areas. Students will be expected to compose several different types of writing: narrative, descriptive, persuasive, informational and expository. Oral expression, listening skills, and vocabulary development are emphasized.

Classes per cycle: 6

Length of Course: Year

Credits earned: 1

Type of Course: Fulfills an English requirement for graduation.

0908 ELL Advanced Course/Bridging Language Learner

This course is a standards-based transitional English course that focuses on the refining of academic reading and writing proficiency. The students are expected to write analytical and expository essays based on readings from both informational texts and authentic American literature in a variety of genre. Students will be expected to apply reading and learning strategies that will help them deal with academic content material. Oral expression, listening skills, and vocabulary development are emphasized.

Classes per cycle: 6

Length of Course: Year

Credits earned: 1

Type of Course: Fulfills an English requirement for graduation.

11th Grade English

1st Semester

2nd Semester

1. *1028 AP English*

OR

2. *1027 Honors English*

OR

3. . . . *1026 Academic English - American Literature*

OR

4. *1405 Academic Core
Elective Plan*

AND

1425 Drama Survey

OR

*1415 Grammar
and Composition for
the College bound
student*

OR

*1416 Contemporary
Fiction for the
Young Adult*

OR

5. *1025 First Level #1*

AND

*1025 First
Level #2*

OR

*above choices
(with teacher permission)*

12th Grade English

1st Semester

2nd Semester

1. *..... 1038 AP English.*

OR

2. *..... 1037 Honors English.*

OR

3. *..... 1036 Academic English - British Literature*

OR

4. *1505 Academic
Core Elective Plan*

AND

*1515 Literature, Society
and Self*

OR

1516 Sports Literature....

OR

*1525 Biblical
And Classical
Allusions.....*

OR

5. *6705 Applied
Communications*

SOCIAL STUDIES (2000 SERIES)

The courses offered by the Social Studies Department are designed to give students the knowledge, skills, attitudes, and judgment necessary to be contributing citizens of both the United

2005 Western Civilization First Level

This course focuses on the development of Western Civilization. It will include the traditions, values and cultures associated with major historical topics. This “Survey of History” covers: Greece, Rome, Middle Ages, Renaissance and Reformation, Enlightenment, French Revolution, Industrial Revolution, Nationalism, Imperialism, Turn of the Century, WWI, and Russian Revolution. Throughout each unit the students will be taught a variety of thinking skills and performance based activities designed to help them gather, analyze, and assess the material.

Classes per cycle: 6

Level of Course: First Level

Credits earned: 1

Type of Course: Fulfills a Social Studies graduation

Length of course: Year

requirement.

Grade Level: 9th

2006 Western Civilization Academic

This course focuses on the development of Western Civilization. It will include the traditions, values, and cultures associated with major historical topics. This “Survey of History” covers: Ancient Greece, Roman Empire, Middle Ages, Renaissance and Reformation, Enlightenment, French Revolution, Industrial Revolution, Nationalism, Imperialism, Turn of Century, WWI and Russian Revolution. Throughout each unit students will be introduced to a variety of thinking and study skills and authentic assessment activities designed to help them learn and understand the material. These skills will range from the lower level abilities of recognition and recall to higher level strategies including problem solving and synthesis.

Classes per cycle: 6

Level of Course: Academic

Credits earned: 1

Type of Course: Fulfills a Social Studies graduation

Length of course: Year

requirement.

Grade Level: 9th

2007 Western Civilization Honors

Western Civilization Honors provides an opportunity for ninth grade students with a strong interest and motivation in Social Studies to pursue a more rigorous level of learning. The course will cover the units offered in the Western Civilization Academic course. However, there will be a greater emphasis on outside readings, current events, teaching techniques that foster analysis, synthesis, and evaluation. Students will be expected to engage in thoughtful discussion, problem solving, writing, and self-guided independent work.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Honors
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills a Social Studies graduation requirement
<i>Length of Course:</i> Year	
<i>Grade Level:</i> 9th	

Prerequisites: Student must fulfill the following requirements in order to take honors level in 9th grade.

1. An "A" average in eighth grade Social Studies.
2. A student letter of declaration submitted to the current eighth grade teacher explaining: intention to take honors level, student motivation, Social Studies grade average, and goals for achievement. The student will submit this letter to his/her Social Studies teacher at the time of course selection.
3. Recommendation to take honors from current Social Studies and Geography teachers.

2009 Foundations of Western Thought (9th grade Academic)

Foundations of Western Thought is an integrated English and Social Studies course focusing on the same curricular goals as the Academic English and Academic Western Civilization courses, but with a thematic and chronological focus. This course will focus on the history and literature of Ancient Greece, The Roman Empire, Medieval/Middle Ages, Renaissance and Reformation, the French Revolution, the Industrial Revolution, Nationalism and Imperialism, World War I, and Lenin and the Bolsheviks in Russia. In this class students will have an extended ninety minute class, which will allow students to spend time developing communication, critical thinking, and reading skills through literary and historical contexts. This course will emphasize connective thinking and discussion, the process of research, the mechanics of writing, and creative projects and presentations. Students electing this course should have strong organizational skills and ability to work both independently and in groups.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills a Social Studies graduation requirement.
<i>Length of Course:</i> Year	
<i>Grade Level:</i> 9th	

Prerequisites: Students must fulfill the following requirements to take the academic level in 9th grade.

1. A passing grade in current 8th grade Social Studies class.
2. Recommendation to take academic level from current Social Studies teacher.

2015 Cultural Studies First Level

This is a foundation course in cultures organized by region: Middle East, Sub-Saharan Africa, China, Japan, India, and Latin America. Geography, history, social relationships, religion and philosophy, economics and government, and the arts and sciences for each culture will be emphasized. The United Nations is studied as it relates to each region studied in the course. Current events pertaining to the areas studied are emphasized throughout the year. Thinking Skills are an integral part of the course.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> First Level
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills a Social Studies graduation requirement.
<i>Length of course:</i> Year	
<i>Grade Level:</i> 10th	

2016 Cultural Studies Academic

This is a foundation course in cultures organized by region: Middle East, Africa, China, Japan, India, and Latin America. Each region is divided into six areas: Geography, History, Social Relationships, Religion and Philosophy, Economics and Government, and the Arts and Sciences. Included is an introductory unit on the terminology of culture. The United Nations is studied as it relates to each region studied in the course. Current events pertaining to the areas studied are emphasized throughout the year.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills a Social Studies graduation requirement.
<i>Length of course:</i> Year	
<i>Grade Level:</i> 10th	

2017 Cultural Studies Honors

Cultural Studies Honors provides an opportunity for tenth grade students with a strong interest and motivation in Social Studies to pursue a more rigorous level of learning. The course will cover the same units offered at the Level II Cultural Studies course. However, there will be a greater emphasis on outside readings, current events, and teaching techniques that foster analysis, synthesis and evaluation. Students will be expected to engage in thoughtful discussion, problem solving, writing, and self-guided independent work.

The course will teach the students the necessary skills to enhance their opportunities for success in all AP offerings. This offering will also help prepare the participants to succeed in college. Students will spend 45 minutes a night on this course.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Honors
<i>Credits Earned:</i> 1	<i>Type of Course:</i> Fulfills a Social Studies graduation requirement
<i>Length of Course:</i> Year	
<i>Grade Level:</i> 10th	
<i>Prerequisite:</i>	“A” or “B” in Academic Western Civilization or Foundations of Western Thought. “B” in 9th grade Honors Western Civilization

2025 United States Cultures First Level

This course surveys U.S. historical, political and cultural developments in the 20th century. Emphasis is placed on the fundamental need of students to be taught “how” not “what” to think. The significant content of the course is taught in such a way as to encourage students to raise and explore live issues in a stimulating environment. Through hands-on activities students will gather, analyze and assess critical issues that relate to their daily lives. Current events are emphasized throughout the course.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	First Level
<i>Credits earned:</i>	1	<i>Type of Course:</i>	Fulfills a Social Studies graduation requirement.
<i>Length of course:</i>	Year		
<i>Grade Level:</i>	11		

2026 United States Cultures Academic

This course surveys U.S. historical and cultural developments beginning with an overview of early American political and cultural conditions from 1607--1929. Emphasis is placed on the role of government, foreign policy and current connections. In-depth units of study include: The Great Depression, World War II, the Aftermath of World War II, Social Responsibility (1961-69), Civil Rights, the Vietnam War Era, the Era of Social Action (1961-73), the Age of Limits, Modern Issues, a Study of Contrasts, the recent presidencies. Students will be expected to use higher level thinking skills to analyze and interpret the past and connect the past with present conditions. Research process is also stressed by requiring students to prepare one in-depth project that lasts one semester. (No outside summer readings are required at this time).

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	1	<i>Type of Course:</i>	Fulfills a Social Studies graduation requirement.
<i>Length of course:</i>	Year		
<i>Grade Level:</i>	11th		

1029 American Studies (11 Honors English and History)

American Studies is an interdisciplinary, team-taught honors course combining American history with American literature and culture. Events in American history are arranged and explored in chronological order. Each unit presents a topic, thematic question and one or more recurring themes which we will investigate through events in political history, literary works, and other artistic expressions reflective of each period. Evaluations are based on lecture, small and large group activities and presentations, individual assignments, readings, quizzes, essays and tests. One grade for the course will appear on report cards. This course is based on the PSSA Standards for English and History. Independent readings and site visitations during the summer are required of all students and will be assessed during the school year. Student preparation each night will average 60 minutes.

Classes per cycle: 6

Level of Course: Honors

Credits earned: 2

Grade Level: 11th

Length of Course: Year

Type of Course: Fulfills an English and Social Studies requirement for graduation.

Prerequisites: Students must fulfill the following requirements in order to enroll in American Studies:

1. Final grade of "A" in tenth grade academic English and History.
2. Final grade of "B" or higher in tenth grade Honors English and History.
3. Recommendation of tenth grade English and History teacher.

2027 US Cultures Honors

This course study begins with an overview of American political thought, economic systems and social and cultural conditions from the Civil War Era through the Roaring 1920's. Individual assignments, research and group discussions (panel style) will be the manner in which this material is covered. Emphasis will be placed on context awareness for cultural literacy and analytical process to provide for deeper understanding of American recurrent themes (i.e. American Dream, Conflict and Consensus, the Natural and Social Environment, Elitism and Egalitarianism, the National Identity, Justice and Integrity, Change and Innovation, Hope and Despair, Power Leadership and Authority, and the Individual Society). In-depth units will include the Great Depression, World War II, the Crucial Decade, Era of Social Responsibility, Civil Rights Action, the Vietnam War Era, Social Action Era, the Age of Limits, Modern Issues and finally the Study of Contrasts (Clinton admin. vs. Bush admin.) Regular quizzes and unit tests, analytical essay writing, research assignments and some projects will be the format for evaluation. (Some summer site visitation, film viewing and reading will be required).

Classes per cycle: 6

Level of Course: Honors

Credits earned: 1

Grade Level: 11th

Length of Course: Year

Type of Course: Fulfills a Social Studies graduation requirement

Prerequisite: "A" in Academic Cultural Studies or "B" in Honors Cultural Studies.

2028 Advanced Placement U.S. History

The Advanced Placement United States History course serves a variety of purposes. It satisfies the junior year requirement for an American history course; it provides the opportunity for highly motivated students to take a college level course; and it offers the possibility of college credit and advanced placement at cooperating colleges and universities. Students who take the A.P. U.S. History course are expected to take the Advanced Placement exam in May.

The Advanced Placement program in United States History is a survey of the major elements and themes in the history of America - social, diplomatic, economic, political, cultural, and military. The aim is to provide the students with a learning experience equivalent to that obtained in most college introductory U.S. History courses.

Skills to be stressed throughout the course will be application of factual information and analysis of documentary sources in American history. Also, research skills will constantly be used in a variety of ways and analytical writing skills will be emphasized. Extensive amounts of higher level reading will be required during this course as well. The goal of A.P. U.S. History is to help students organize factual materials and to enable them to establish the context and significance of specialized interpretive problems. Finally, extensive summer reading is required of all students who enroll in the course. Because this course emphasizes analytical writing and college-level reading, it is strongly advised that students prepare for this course by taking 10th grade Honors English and 10th grade Honors Cultural Studies.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Advanced Placement
<i>Credits earned:</i>	1	<i>Type of Course:</i>	Fulfills a Social Studies graduation requirement.
<i>Length of Course:</i>	Year		
<i>Grade Level:</i>	11th		
<i>Prerequisite:</i>	Grade of "A" or better in 10th grade Cultural Studies Academic or grade of "B" or better in 10th grade Honors Cultural Studies and "A" in English 10 Academic or "B" or better in English 10 Honors.		

2036 U.S. Government Academic

The course covers basic institutions and ideologies of American Government. The principles upon which the United States was founded are taught. A major concentration for the course is the Constitution and its relevancy to current issues. The three branches of government are taught and related to current events as they occur. There is an ongoing effort to relate course content to daily international, national and local events. Attendance at a government meeting (and subsequent write up) is required for this course.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> .5	<i>Type of Course:</i> Fulfills a Social Studies graduation .
<i>Length of Course:</i> Semester	requirement
<i>Grade Level:</i> 12th	

2046 Introduction to Economics Academic

This semester length course is an introduction to the major concepts of macro- and microeconomics. Emphasis is placed on the functioning of the market system in the United States, with other systems presented for comparison. Application of economic principles and reasoning to current international, national, and local issues and trends is an integral part of all units of study. Applications of economic principles may include computer simulations; exercises in the stock market and other investments; the analysis of business reports; and debates and essays on controversial economic topics. The specific applications chosen will be determined by the instructor.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> .5	<i>Type of Course:</i> Fulfills a Social Studies graduation
<i>Length of course:</i> Semester	requirement.
<i>Grade Level:</i> 12th	

2048 Advanced Placement Economics

This course, the format of which complies with guidelines provided by the College Entrance Examination Board and the National Council on Economic Education, is the equivalent of an entry level college course in microeconomics and macroeconomics. One semester is devoted to an introduction to basic economic concepts and reasoning and microeconomic topics, which include the structure and function of markets, the theory of the firm, product market models, the factor market, the role of government in the economy, and international trade. The other semester focuses on macroeconomics, the study of economic systems, including measuring economic performance, aggregate supply and aggregate demand, monetary policy, monetary and fiscal stabilization policies, schools of macroeconomic thought, and a reexamination of international trade. Emphasis is placed on the graphing and the application of economic principles and theories to analyze international, national, and local events and trends. Students can expect a course that is rigorous, including extensive reading and independent analytical thinking. Students have frequent opportunities to generate solutions to real and hypothetical economic problems, and to employ written and oral discourse supported by graphs to illustrate the logic of their conclusions. A summer assignment, due the 1st day of class, is required for enrollment. This assignment includes the completion of Chapter 1 of McConnell and Brue, 16th ED and the answering of questions from the end of chapter. Also included is an assignment that requires the analysis of 10 current economic articles and the reading of *Naked Economics* by Charles Wheelan. A journal on the reading is also required.

This course fully satisfies the senior year Social Studies requirement for graduation and provides students the opportunity to receive 6 college credits and advanced placement at cooperating colleges and universities. Students enrolled in this course are encouraged to take the Advanced Placement Microeconomics and Macroeconomics examinations administered in May.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Advanced Placement
<i>Credits earned:</i>	1	<i>Type of Course:</i>	Fulfills a Social Studies graduation requirement.
<i>Length of Course:</i>	Year		
<i>Grade Level:</i>	12th		
<i>Prerequisite:</i>	Overall G.P.A. greater than 3.50 or by department chair approval.		

2058 Advanced Placement Comparative Gov. and Politics

This course complies with the College Entrance Examination Board guidelines and is the equivalent of an introductory level college course in political science. During the first marking period, the focus is on United States government and the intellectual framework of comparative politics, including vocabulary, theoretical models and concepts of political organization, processes and policies. The remaining part of the course concentrates on comparisons of concrete systems of government, including Great Britain, Russia-USSR, China, Mexico, Iran, Nigeria, and the European Union. The course is conducted as a seminar involving student presentations, lectures, discussions, and debates. A variety of readings supplement the text. Analytical writing skills, applicable to any college-level history or social science courses, will be emphasized. Controversial domestic and foreign economic and political policies will be discussed and debated.

This course fully satisfies the senior year social studies requirement for graduation and provides students the opportunity to receive college credit and advanced placement in cooperating colleges and universities. This course may also fulfill the requirement for a multi-cultural studies course, currently mandatory at many institutions; students should consult the course catalogs of the specific institutions to determine whether there is such a requirement and how it may be fulfilled. Students enrolled in this course are encouraged to take the Advanced Placement Comparative Government Examination administered in May; the exam in American Government may also be taken without payment of additional fees. A summer assignment, due the first day of class, is required for all students who enroll in this class. This assignment entails reading and analyzing issues relating to each of the seven units included on the AP exam. Specific instructions must be picked up before the summer break.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Advanced Placement
<i>Credits earned:</i>	1	<i>Type of course:</i>	Fulfills a Social Studies graduation requirement.
<i>Length of Course:</i>	Year		
<i>Grade Level:</i>	12th		
<i>Prerequisite:</i>	“B” Average in American Studies or U.S. Honors, or “C” average in AP U.S. History, or an “A” average in U.S. Cultures Academic		

2038 Advanced Placement United States Government

This course, the format of which complies with the guidelines established by the College Entrance Examination Board, is the equivalent of an entry level college course in political science. The course is designed to encourage students to develop critical perspectives on American politics and government. By the completion of the course, students will have developed knowledge of the structure of American government and institutions interest in public issues, and understand the groups, beliefs, and ideas that influence public policy decision making. The course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies.

Emphasis is placed on discussion of issues and on analytical writing skills. Students are expected to have strong reading comprehension skills and good analytical writing and organizational skills. Students are expected to read college-level texts and supplemental research, and apply these findings to current governmental policies. Areas of study include the structure of American government, public opinion and political participation, the influence of interest groups on policy, political parties and campaigns, presidential elections, and the structure and powers of the three branches of government.

This course fully satisfies the senior year Social Studies requirement for graduation and provides students the opportunity to receive three college credits and advanced placement at cooperating colleges and universities. Students enrolled in this course are encouraged to take the Advanced Placement U.S. Government examination administered in May.

An extensive summer assigned will require you to read and watch political shows to keep up with current events, a review of party platforms, and in-depth study of various issues. An informational handout detailing specific instructions will be presented at a meeting in June prior to the summer break.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Advanced Placement
<i>Credits earned:</i>	1	<i>Type of course:</i>	Fulfills a Social Studies graduation requirement.
<i>Length of Course:</i>	Year		
<i>Grade Level:</i>	12th		
<i>Prerequisite:</i>	Grade of "A" in U.S. Cultures Academic, or grade of "A" in U.S. Cultures Honors, or a grade of "B" or Higher in AP U.S. History		

2035 Civics: Government, The Market, and You

This year-long course will have one semester primarily devoted to U.S. and Pennsylvania government and one semester primarily devoted to economics. In addition, students will study current events and learn how economics and government interact.

Civics topics to be covered will include: principles and documents of government; the right and responsibilities of citizenship; how government works; and international relationships. Economic topics will include: economic systems; markets and the economic function of governments; scarcity and choice, economic interdependence; and work and earnings;

The objective of the course will be to strengthen the students awareness of their role in the community and their impact on the world around them. Their roles will be viewed from the contributions they make in an economic and in a political sense. Students will use their understanding of thinking skills to analyze and evaluate these roles. Students will use a variety of learning techniques to determine the best ways to impact today's society in a positive manner.

Classes per cycle: 6

Credits earned: 1

Length of Course: Year

Level of Course: First Level

Grade Level: 12th

Type of Course: Fulfills a Social Studies graduation requirement.

Dual Enrollment Courses through Immaculata University

Students will earn both college and high school credit (1) for these courses. These courses are being offered at an in-state tuition price. (For the 2008-2009 school year the total cost was approximately \$800). The following courses are offered at Unionville High School.

2115 Principles of Sociology — Fall semester (Immaculata SOC 202)

The presentation of basic terms, concepts, and theories to understand better the functioning of society and society's impact on the individual.

Classes per cycle: 3

Type of Course: Elective

Credits earned: 1

Level of Course: Dual Enrollment

Length of course: Semester (Fall)

2125 Introduction to Philosophy — Spring semester (Immaculata PHI 101)

Philosophy is the “love of wisdom” and it begins with the act of wondering. In this course, students will wonder actively as did the great philosophers of ancient, medieval, modern, contemporary, and post-contemporary times. Through reading primary sources (Plato, Aristotle, Aquinas, Descartes, Nietzsche, Sartre, Beauvoir, and others), students will acquire understanding of basic philosophical vocabulary and concepts. In this one semester course, students will examine metaphysical, epistemological, aesthetical, and ethical themes which provide a firm foundation for further philosophical

Classes per cycle: 3

Type of Course: Elective

Credits earned: 1

Level of Course: Dual Enrollment

Length of course: Semester (Spring)

SCIENCE (3000 SERIES)

3005 Integrated Science

This course is designed as an introductory course in the principles of physics and chemistry. It is a laboratory-based course that uses real-world examples to lay a foundation for the understanding of other science courses in high school.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> First Level
<i>Credits earned:</i> 1	<i>Grade Level:</i> 9th
<i>Length of Course:</i> Year	<i>Type of Course:</i> Fulfills a science requirement for graduation.

3105 Biology - First Level

This course presents biological concepts in an easy-to-read text and lab book. Topics and labs are applicable to everyday situations. Student activities are designed to enhance motivation and reinforce concepts.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> First Level
<i>Credits earned:</i> 1	<i>Grade Level:</i> 10th
<i>Length of course:</i> Year	<i>Type of Course:</i> Fulfills a science requirement for graduation.
<i>Prerequisites:</i> Passing grade in Physical Science	

3106 Biology I

This laboratory oriented course is designed for students who are continuing their education beyond high school. Class activities are based on laboratory experiences, inquiry, and analytical thinking. Integration of previous course work in science and math is expected, and effective written communication is emphasize. The textbook integrates on-line activities into every unit. These enhance the overall learning experience.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> Academic
<i>Credits earned:</i> 1	<i>Grade Level:</i> 9th, 10th
<i>Length of course:</i> Year	<i>Type of Course:</i> Fulfills a science requirement for graduation.

3107 Biology I Honors

Honors Biology is designed to be an interactive experiential treatment of basic biological principles and concepts. The course relies heavily on an inquiry based foundation in its instruction. Students should expect to be challenged mentally on a regular basis. Assessment includes the application of knowledge to new situations. This course is intended to prepare highly motivated students for their future course work in science, including a second year of biology and/or other advanced level science courses.

The Honors Biology course employs a molecular approach to exploring the various prevailing themes of life science. Emphasis is placed on higher level thinking skills, laboratory investigations and student enrichment activities. Open-ended assignments and written communication are emphasized. Students will be expected to complete formal laboratory reports throughout the course. They are expected to take an active part in classroom and lab discussions and regularly contribute to the enhancement of the course. Students will have the opportunity to do an optional independent experimental research on a project of their own choosing, subject to approval by the supervising teacher.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Honors
<i>Credits earned:</i>	1	<i>Grade Level:</i>	9th, 10th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisite:</i>	"A" in 8th grade Honors Science or 3006 or an "A" and teacher recommendation in 8th grade science.		

3116 Biology II

This elective course is designed for students interested in continuing their study of biological sciences. Topics for study include: experimental design, microbiology, anatomy, physiology and biochemistry. Time in class is spent conducting lab activities (including student-designed experiments), recitation and lecture. The background for the course is provided by extensive readings in Biology (Arms and Camp).

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	1	<i>Grade Level:</i>	11th and 12th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisites:</i>	Grade of "B" or above in 3106, 3105 or 3107. Grade of "C" or above in 3206 or currently taking 3206 or 3207. "C" in 3107 must get departmental approval.		

3118 Advanced Placement Biology

This course is designed for students who wish to prepare for the Advanced Placement (AP) test in Biology. Course content is consistent with the syllabus for AP Biology prepared by the College Entrance Examination Board. The background for the course is provided by the text, Biology (Campbell and Reece, c.2005, ed. 7th). Approximately 28 chapters are covered during the school year, and students are expected to read approximately 8 chapters during the preceding summer. Time in class is devoted to experimental work (including the 12 “required” laboratory experiences described in the College Board AP syllabus), recitation, and lecture. Students are expected to: exhibit a high degree of self-motivation; be capable of integrating coursework in math, chemistry and physics; and demonstrate effective oral and written communication skills. Students electing this course are expected to take the AP Biology test.

<i>Classes per cycle:</i>	8	<i>Level of Course:</i>	Advanced Placement
<i>Credits earned:</i>	1	<i>Grade Level:</i>	11th or 12th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisite:</i>	Grade of "A" in 3106 or "B" or better in 3107, and Grade of "B" or better in 3206 or 3207 or by department approval.		

3306 Physics

This laboratory course is designed for students who are continuing their education beyond high school but are not planning to major in math or science. Those students should enroll in Honors Physics. The fundamental concepts of physics are presented through experiments and applications in the areas of motion, mechanics, energy, sound, electric circuits, light, and other selected topics.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	1	<i>Grade Level:</i>	11th or 12th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisite:</i>	"C" in Algebra I. "C" in 3206 or passing 3207.		

3307 Honors Physics

This course serves to develop skills in quantitative problem solving and laboratory methods. The course concentrates in mechanics, but also explores waves, thermodynamics, optics and sound, electricity, magnetism, and modern physics.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Honors
<i>Credits earned:</i>	1	<i>Grade Level:</i>	11th or 12th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisite:</i>	Minimum grade of "A" in 3206 or "B" in 3207. Current enrollment in one of the following: 4136, 4137, 4146, or 4148.		

3318 Advanced Placement Physics

This course is designed for the highly motivated student wishing to major in physics, engineering, or other physical sciences and wishes to receive college credit for work completed in high school. Completion of the introductory Physics course (8830) is not required but is recommended. Students will receive a summer assignment reviewing basic physics material and can expect to spend five hours per week on homework or study in order to succeed. Since the course work is consistent with the curriculum outlined by the Advanced Placement Program of the College Board, all students are expected to take the Advanced Placement Examination for Physics in May.

<i>Classes per cycle:</i>	8	<i>Level of Course:</i>	Advanced Placement
<i>Credits earned:</i>	1	<i>Grade Level:</i>	12th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisite:</i>	Min. grade of "A" 3206 or 3207. Current enrollment in 4146 or 4148.		

3206 Chemistry I

This laboratory course is designed for students who are continuing their education beyond high school. The fundamental concepts of chemistry are presented through demonstrations, laboratory experiments, classroom discussion and cooperative learning activities. Emphasis is placed on the descriptive study of matter and its changes. Units include water, petroleum, resources, nuclear and air. Units are broken down into four sections, each of which includes a packet of work. Expect monthly projects, biweekly tests, weekly labs, and nightly homework, in the form of a reading assignment, problem solving work sheet and/or written lab report.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	1	<i>Grade Level:</i>	10th or 11th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisite:</i>	"C" in Algebra I. Passing grade in 3106 or 3107. "C" in 3105.		

3207 Chemistry I Honors

This course is designed as an inquiry approach to chemistry. Fundamental concepts are discovered through the use of problem solving and open-ended questioning in the laboratory, and in class discussion. Emphasis is placed on quantitative relationships and the careful collection, recording and interpretation of data. Excursion activities dealing with chemistry in industry and the environment are included. This course is recommended to students interested in taking AP Chemistry. Expect grades based on lab reports, exams, projects, and quizzes. Disciplined work habits are a necessity to succeed in this accelerated math-based chemistry course.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Honors
<i>Credits earned:</i>	1	<i>Grade Level:</i>	10th or 11th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisite:</i>	"B" in Algebra I and an "A" in 3106 or "B" in 3107 and department approval.		

3218 (Chem II A P) Advanced Placement Chemistry

A second year chemistry course which will build on Chemistry I, and study organic chemistry, electrochemistry, bonding, thermodynamics, kinetics, equilibrium, acid and base chemistry. Students will be asked to review Chem I over the summer to prepare for a test at the beginning of the school year. Major exams are given every two to three weeks. Labs are more complex than in Chem I or Honors Chem and take a significant amount of time to write up. All students are encouraged to take the Advanced Placement Exam in May.

<i>Classes per cycle:</i> 8 (includes 2 double lab periods)	<i>Level of Course:</i> Advanced Placement
<i>Credits earned:</i> 1	<i>Grade Level:</i> 11th and 12th
<i>Prerequisites:</i> "B" or above in 3206, or 3207, or department approval.	<i>Type of Course:</i> Fulfills a science requirement for graduation.

3026 Earth and Space Science I

This course involves the study of scientific disciplines of Meteorology, Geology, Astronomy, and Oceanography. Students are encouraged to view earth and space science as an integrated system of interacting components and to recognize the roles of science and technology in science. Assessment will include class work, homework, tests, quizzes, research papers, group and individual projects, and class presentations. The course is open to ALL juniors and seniors.

Homework is important and given only once or twice a week on average totaling 10 homework assignments per marking period. These assignments are begun in class and continued at home to be presented the next day. Students will be expected to take an active role in the learning process by getting involved in class discussions and being ready for class with necessary materials. Some outside supplemental readings are presented and reviewed in class primarily during the topic of astronomy.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All students
<i>Credits earned:</i> 1	<i>Grade Level:</i> 11th and 12th
<i>Length of course:</i> Year	<i>Type of Course:</i> Fulfills a science requirement for graduation.

3016 Environmental Science

This course is based on the premise that man is a steward of his environment. This elective course allows students of all academic levels to recognize man's waste and exploitation of his natural surroundings. It also stimulates discussion leading to possible answers remedying these conditions. The topics of study are: hydrology, nuclear energy, air pollution, thermal pollution, noise pollution, division of natural resources, wildlife management, hunting as a conservation tool, edible plants, climates (past, present and future).

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All students
<i>Credits earned:</i> 1	<i>Grade Level:</i> 11th and 12th
<i>Length of course:</i> Year	<i>Type of Course:</i> Fulfills a science requirement for graduation.

3018 AP Environmental Science

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students who take this course are expected to take the AP exam.

<i>Classes per cycle:</i> 8	<i>Level of Course:</i> Advanced Placement
<i>Credits earned:</i> 1	<i>Grade Level:</i> 11th or 12th
<i>Length of Course:</i> Year	<i>Type of Course:</i> Fulfills a science requirement for graduation.
<i>Prerequisite:</i> C or better in Algebra II, B or better in Honors Chemistry or A in Chemistry	

3405 Introduction to Forensic Science

Forensic science will offer students an opportunity to see real-world applications of the theoretical principles developed in their more traditional science courses. It is laboratory based, hands-on, inquiry learning. Topics include: hair and fiber analysis, fingerprint collection and analysis, forensic entomology, blood evidence, DNA evidence. Students from a variety of academic levels are encouraged to take this course.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	11th or 12th
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisites:</i>	Passing grade in Biology.		

3406 The Science of Sound

The science of sound course is designed to help students understand how physics concepts apply to all aspects of generating sound. Topics include how waves are generated, AM/FM and XM radio, the parts of a speaker, how the components of a stereo system work, and electricity's application to sound, and the development of instruments to record and play music . The course is designed to minimize math; however, there are times where using and applying basic math will be a necessity.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	11th or 12th
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisites:</i>	C or better in Algebra		

3034 Marine Science

This introductory course allows students who are interested in the marine sciences to get a deeper level of understanding. This course is designed to provide a brief overview of early ocean exploration and classification of various marine environments. Topics of study will include: the physical ocean, the El Nino Phenomenon and its effect, marine geology, Hawaii, marine life zones; the deep to the tidal pools, and understanding the state of the ocean today and what's to come.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Academic
<i>Credits earned:</i>	.5	<i>Grade level:</i>	11th and 12th
<i>Length of course:</i>	Semester	<i>Type of Course:</i>	Fulfills a science requirement for graduation.
<i>Prerequisites:</i>	Biology & Chemistry OR Integrated Science & Biology and teacher recommendation.		

3425 Genetics and Biotechnology

Principles of classical, human and molecular genetics will be explored utilizing a variety of microbial (*E. coli*, *Saccharomyces* sp.), plant (*Brassica* sp., *Arabidopsis* sp.) invertebrate (*C. elegans*, *Drosophila* sp., *Nasonia* sp.) and vertebrate models. This laboratory course will utilize an investigative approach that integrates advanced level tools and techniques (agarose/polyacrylamide gel electrophoresis and PCR) for studying gene expression at both the organismic and molecular level. Extensive laboratory work will be supported by readings from the text, Modern Genetic Analysis: Integrating Genes and Genomes, A. J. Griffiths *et al.*, c. 2002, as well as suitable journal articles related to genetics.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	Honors
<i>Credits earned:</i>	.5	<i>Grade level:</i>	11th and 12th
<i>Length of course:</i>	Semester		
<i>Pre-requisites</i>	Completion of Honors Biology and completion or enrollment in Honors Chemistry or science faculty recommendation		

MATHEMATICS (4000 SERIES)

All students must complete 3.0 credits of mathematics for graduation. Most students will complete 1.0 credit of math per year. All students are encouraged to take four years of mathematics.

Included in the course descriptions are prerequisites for each course. Students may enter some of the courses from one of several levels of a previous course, but any minimum grade requirement that is stated will be observed.

Students should expect to have homework on a daily basis in math class. The time and amount of homework depends upon the level of the course taken.

A detailed outline of course sequence is provided after page 56.

4015 Algebra Concepts A

This course is for students who would benefit from a year of skill development while studying pre-algebra and algebra topics. Students will review pre-algebra topics such as basic operations of whole numbers, decimals and fractions, ratio and proportion, and the coordinate plane. Algebra I topics include simplifying expressions, solving equations and inequalities, and graphing and writing equations of lines.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Level of course:</i>	First Level
<i>Length of course:</i>	Year		
<i>Grade Level:</i>	9th		

4025 Algebra Concepts B

This course offers students the opportunity to spend a full year continuing the study of Algebra after Concepts of Math I. Algebra I I concepts and various consumer topics will be integrated throughout the course. While less rigorous than other Algebra II courses, this course will allow the student to work toward meeting the standards set by the state.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Level of Course:</i>	First Level
<i>Length of course:</i>	Year		
<i>Prerequisites:</i>	Passing grade in Algebra Concepts A		

4105 Algebra I Fundamentals

A basic course for students who want a minimum level of college preparatory mathematics. The course will focus on the basic concepts and vocabulary of Algebra I, including equations, problem solving, polynomials, factoring and fractions.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i> 1	
<i>Length of course:</i> Year	<i>Suggested Grade Level:</i> 9th
<i>Level of Course:</i> Academic	
<i>Prerequisite:</i> Students in Traditional Pre-Algebra course who did not meet prerequisites for Traditional Algebra I; students in Fundamental Pre-Algebra course with a 93% or a teacher recommendation total of 114 using the Recommendation Sheet.	

4106 Algebra I Traditional

Traditional course. An introductory course in the field of higher mathematics. Topics include number systems, algebraic expressions, equations, polynomials, rational expressions, factoring and quadratics.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i> 1	
<i>Length of course:</i> Year	<i>Suggested Grade Level:</i> 9th
<i>Level of course:</i> Academic	
<i>Prerequisite:</i> 93% in Traditional Pre-Algebra course or a minimum grade of 83% with a teacher recommendation total of 138 using the Recommendation Sheet.	

4035 Geometry Concepts

This course offers students the opportunity to spend the majority of the year studying Geometry concepts and skills along with various consumer topics which are integrated throughout the course. There will be time set aside in this course for students to prepare for the state-wide assessment tests given during their junior year. This course, while less rigorous than the other Geometry courses, will allow the student to work toward meeting the standards set by the state.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i> 1	
<i>Length of course:</i> Year	<i>Level of Course:</i> First Level
<i>Prerequisites:</i> Passing grade in Algebra Concepts B	

4115 Geometry Fundamentals

A basic course for students who are going to continue in college preparatory mathematics. This course will emphasize the basic concepts of geometry, vocabulary, identification of plane figures, and essential theorems.

Classes per cycle: 6 *Type of Course:* Fulfills the requirement of one of three math courses necessary for graduation.
Credits earned: 1
Length of course: Year *Suggested Grade Level:* 10th and 11th
Prerequisites: Passing grade in Algebra 4106 or 4105. *Level of Course:* Academic

4116 Geometry

Traditional lecture/demonstration course. This is a college preparatory course that prepares the student for further study in mathematics. Nearly all facets of geometry are studied including congruence, similarity, right triangles, polygons, circles, proof, logic, area and solids.

Classes per cycle: 6 *Type of Course:* Fulfills the requirement of one of three math courses necessary for graduation.
Credits earned: 1
Length of course: Year *Suggested Grade Level:* 9th and 10th
Prerequisites: 73% or better in Algebra 4106 or 93% in Algebra 4105 *Level of Course:* Academic

4117 Honors Geometry

This is the first course in the honors mathematics progression. Topics covered include proofs, logic, congruence, similarity, right triangles, areas, circles, solid geometry, and construction.

Classes per cycle: 6 *Type of Course:* Fulfills the requirement of one of three math courses necessary for graduation.
Credits earned: 1
Length of course: Year *Level of Course:* Honors
Grade Level: 9th

Prerequisites:

- 1) Final grade of at least 93% in 4106.
- 2) Score on the Orleans Hanna Geometry Prognostic Test (minimum score to be determined by department).
- 3) Score on a standardized 1st year of Algebra test at or above the 75th percentile nationally

4125 Algebra II Fundamentals

A basic course for students who are going to continue in college preparatory mathematics. This course does not count as a Prerequisite for 4136. The content will include algebraic equations, inequalities, functions, systems of equations, rational expressions, complex numbers, and conic sections.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i> 1		
<i>Length of Course:</i> Year	<i>Grade Level:</i>	11th and 12th
<i>Prerequisites:</i> Passing grade in any Algebra I and & Geometry course.	<i>Level of Course:</i>	Academic

4126 Algebra II

Algebra II traditional is designed to revisit the linear and quadratic families of functions introduced in Algebra I. We will then investigate more complicated families such as conics, exponentials, logarithmics, rationals, and irrationals. Heavy emphasis is placed on connecting algebraic equations to their graphs in the coordinate plane. Students will also use these functions to model real-world behavior and to make predictions based on limited information. While a graphing calculator is recommended, a scientific calculator will suffice for class work and evaluations.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i> 1		
<i>Length of course:</i> Year	<i>Suggested grade level:</i>	10th and 11th
<i>Prerequisites:</i> 73% or better in Alg. 4106; 73% or better in Geometry 4116 or 4115; or a passing grade in Geometry 4117.	<i>Level of Course:</i>	Academic

4127 Honors Algebra II

This is an honors level course that leads to Honors Advanced Math. Course content will include linear, quadratic, rational, irrational, exponential, logarithmic, and trigonometric functions along with quadratic relations. This course moves at a quick pace and with great depth in preparation for AP Calculus. Students must be consistently independent and hard working.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i> 1		
<i>Length of Course:</i> Year	<i>Suggested Level:</i>	10th and 11th
<i>Prerequisites:</i> Algebra I (4106) with a minimum grade of 93%, Geometry (4116 or 4117) with a grade of 83% or better.	<i>Level of Course:</i>	Honors

4135 Algebra III and Trigonometry Fundamentals

This course provides a fourth year of study in college preparatory mathematics while reinforcing Algebra and Geometry skills throughout the year. The first semester topics are: Solving and Graphing equations of degree 2 or higher, Coordinate Geometry, Permutations and Combinations, Probability and Conic shapes and their equations. Trigonometry is studied in the second semester focusing on its application rather than its theory. Students will solve problems involving triangles, work with equations and expressions that include trigonometric ratios, apply trig concepts to the X-Y coordinate plane, and graph trigonometric functions.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Grade Level:</i>	12th
<i>Length of course:</i>	Year	<i>Level of Course:</i>	Academic
<i>Prerequisites:</i>	Grade of 73% or better in Alg. II Fund. (4125) or a passing grade in Alg. II (4126)		

4136 Trigonometry and Analysis

This course is designed to prepare students for a course in Calculus. We build the concept of measuring angles in radians so that we can introduce the trigonometric ratios on a unit circle. Then we progress to the six trig functions, trigonometric equations, right triangle trig, and common trig identities. During the second semester, we work with exponents, logarithms and linear, quadratic and polynomial functions. A graphing calculator is strongly recommended for this course.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Grade Level:</i>	11th and 12th
<i>Length of course:</i>	Year	<i>Level of Course:</i>	Academic
<i>Prerequisites:</i>	Alg II 4126 with a 83% or better or Alg. II 4127 with a passing grade.		

4137 Honors Advanced Math

This course moves at a quick pace and with great depth in preparation for AP Calculus. The content will include polynomial, rational, exponential, logarithmic, and trigonometric functions. Other topics include parametric and polar equations, systems, matrices, sequences, probability, and analytical geometry. The exponential, logarithmic, and trigonometric functions are taught knowing the students have dealt with these in Honors Algebra II. The TI-83 graphing calculator is used for this course. Each student is required to provide a TI-83. (TI-82, TI-85, or TI-86 are other acceptable options but instruction will be based on TI-83). Students must be consistently independent and hard working to handle this challenging course. Students entering this course from Algebra II 4126 must do summer work to learn missed topics.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Grade Level:</i>	11th and 12th
<i>Prerequisites:</i>	Alg. II (4126) and Geom (4116) with a grade of 93% or Alg. II (4127) with a grade of 83% or better.	<i>Level of Course:</i>	Honors
		<i>Length of Course:</i>	Year

4146 Calculus

This course will explore analytic geometry, limits, differential calculus, integration, application of the derivatives and the application of the definite integral. Concepts are developed from three perspectives: numerical approximations, graphing, and algebra. There is a continued emphasis on correct notation so that students can transition smoothly into a college calculus program. A graphing calculator is strongly recommended in this course.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Grade Level:</i>	11th and 12th
<i>Length of course:</i>	Year	<i>Level of Course:</i>	Academic
<i>Prerequisites:</i>	Grade of 83% or better in Trig & Analysis (4136) or a grade of 73% or better in Honors Advanced Math (4137)		

4148 Advanced Placement Calculus, AB

This course follows the AP course outline for AP Calculus, AB. This is equivalent to a college level course. Students need to have the ability to work independently and must meet daily class requirements. Students who enroll in this course are expected to take the AP test.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Grade Level</i>	11th and 12th
<i>Length of course:</i>	Year	<i>Level of Course:</i>	Adv. Placement
<i>Prerequisites:</i>	Trig/Analysis (4136) with a grade of 93% or Honors Adv. Math (4137) With a grade of 83% or better.		

4158 Advanced Placement Calculus, BC

This course begins with a review of the topics in AP Calculus, AB. It then moves on to topics outlined for the AP Calculus, BC level. Students are expected to take the AP test (BC level).

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Grade level:</i>	12th
<i>Length of course:</i>	Year	<i>Level of Course:</i>	Adv. Placement
<i>Prerequisite:</i>	Grade of 83% or better in AP Calculus (AB)		

4205 Selected Topics in Mathematics

This course is for students who do not elect to study Calculus. The major topics to be studied include probability, statistics, functions, and an introduction to Calculus.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math courses necessary for graduation.
<i>Credits earned:</i>	1	<i>Grade Level:</i>	12th
<i>Length of Course:</i>	Year	<i>Level of Course:</i>	Academic
<i>Prerequisites:</i>	Grade of 73% or better in Trig and Analysis (4136) or a passing grade in Honors Advanced Math (4137).		

4206 Statistics

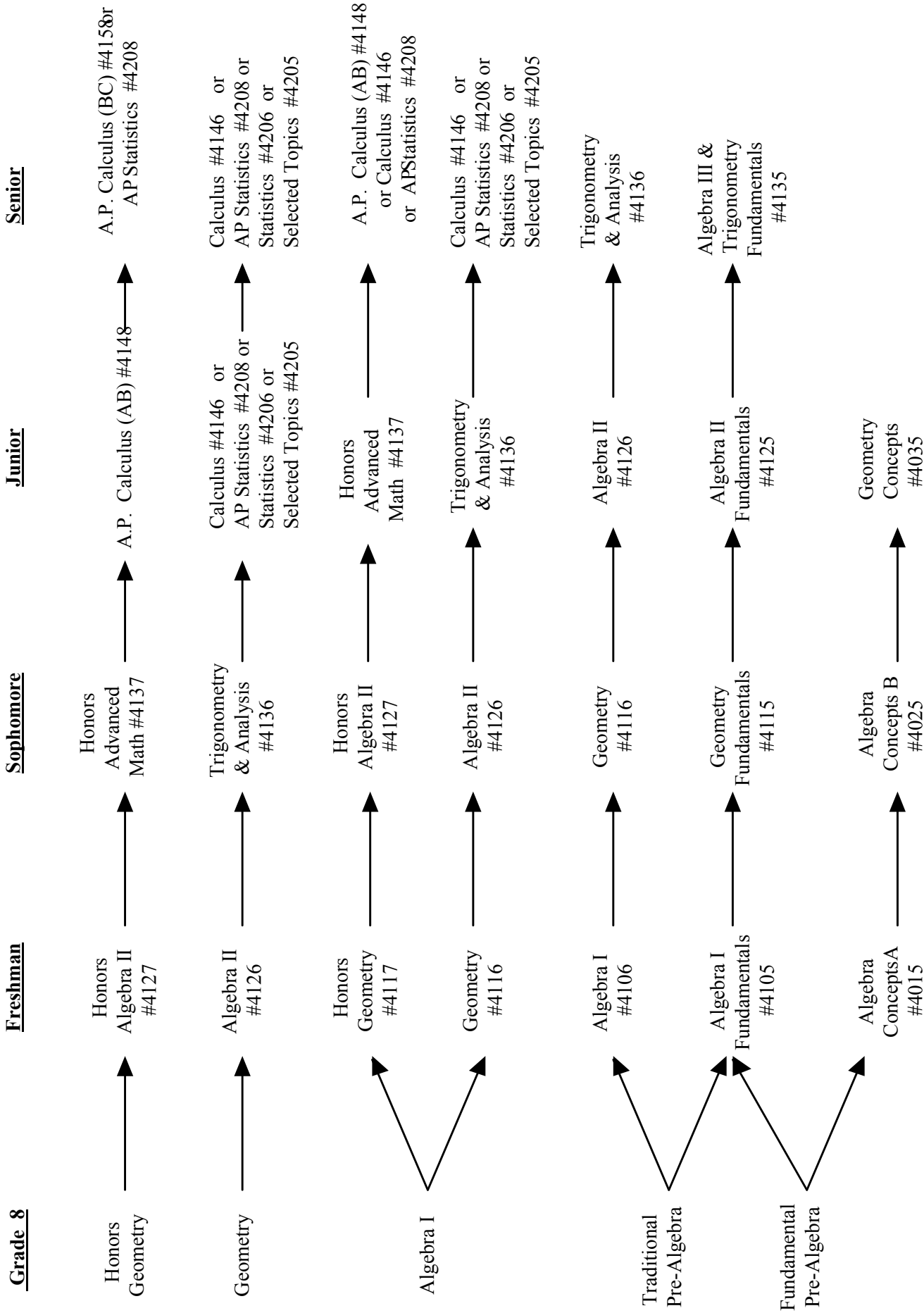
This course is designed to provide the students with an introduction to the concepts of statistics. Descriptive and inferential statistics involving the mean of normal distributions are examined in detail. Analysis of variance, regression, and correlation will be introduced and examined. This course will stress the practical application of probability and statistics to various disciplines. This course is recommended to seniors who will be taking an introductory course in statistics in engineering, science, business, pre-med, journalism, political science, or liberal arts in college. A TI-83 graphing calculator is needed for this course.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math
<i>Credits earned:</i>	1		courses necessary for graduation.
<i>Length of course:</i>	Year	<i>Grade Level:</i>	10th, 11th, 12th
<i>Prerequisites:</i>	Alg. II 4126 with a 73% or better, Alg II 4127 with a passing grade, or Alg. II 4125 with a 93%.	<i>Level of Course:</i>	Academic

4208 Advanced Placement Statistics

This course follows the AP course outline for AP Statistics. Topics are divided into four major themes: exploratory analysis, planning and conducting a study with data, probability, statistical inference. A TI 83/84 graphing calculator is needed for this course.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills the requirement of one of three math
<i>Credits earned:</i>	1		courses necessary for graduation.
<i>Length of course:</i>	Year	<i>Grade Level:</i>	11th and 12th
<i>Prerequisites:</i>	93% or better in Alg. II 4126; 83% or better in Alg. II 4127 or Trig/Analysis 4136; 73% or better in Honors Advanced Math 4137.	<i>Level of Course:</i>	Advanced Placement



Students may move up or down a level depending on achievement in a course. Prerequisites (listed with each course) determine that movement. All students must successfully complete 3 math courses to graduate.

WORLD LANGUAGE (5000 SERIES)

College-bound students should take a world language. All students are encouraged to complete the sequence. All curricula are aligned with the National Foreign Language Standards.

*Level I World Language courses at UHS are designed for true beginners and/or students who have not yet gained beginner level proficiency expected of a Level I student. Students entering the high school who received either an A or B in French IB, German IB, or Spanish IB at the Middle School are expected to enroll in French II, German II, or Spanish II.

5016 French I*

French I Academic is designed for true beginners and/or students who have not yet gained beginner level proficiency expected of a Level I student. Students entering the High School who received either an A or B in French IB are expected to enroll in the appropriate Level II course. Level I is an introduction to the four basic language skills of reading, writing, speaking, and listening. Vocabulary is presented thematically; grammar patterns are practiced in functional situations related to unit themes. Students will begin to discover similarities and differences between the culture of the target language and their own. Some instruction is delivered in the target language.

Classes per cycle: 6

Type of Course: Elective - Fulfills requirements for arts and humanities or elective credits for graduation.

Credits earned: 1

Length of course: Year

Level of Course: Academic

5026 French II

5027 French II Honors

French II Academic continues and expands the fundamental skills of listening, speaking, reading and writing acquired in Level I. Emphasis is given to the development of conversational abilities, mastery of new grammar structures, and acquisition of new vocabulary. Increased attention is given to reading and writing. Much instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

Classes per cycle: 6

Type of Course: Elective - Fulfills requirements for arts and humanities or elective credits for graduation

Credits earned: 1

Length of course: Year

Level of Course: Academic or Honors

Acad.. Prereq.: "C" or better in French I

***Honors Prereq.:* "A" in French I**

5036 French III

5037 French III Honors

French III Academic develops reading, writing, speaking, and listening skills at a deeper level, as students continue to acquire proficiency in the language. Emphasis is placed on vocabulary acquisition, mastery of basic grammar, introduction to advanced grammar structures, further development of reading and writing skills, and oral/aural communicative skills. Most instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Elective - Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i>	1	<i>Level of course:</i>	Academic or Honors
<i>Length of course:</i>	Year		
<i>Acad.. Prereq.:</i>	"C" or better in French II		
<i>Honors Prereq.:</i>	"A" in French II or "A" or "B" in French II Honors		

5046 French IV

5047 French IV Honors

French IV Academic provides a comprehensive review of grammar structures introduced in the previous levels, while continuing the development of advanced grammar structures. Students will respond orally and in writing to authentic literary texts. Students will use the target language to express themselves in functional situations. Students are expected to use the target language during the class. All instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Elective - Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i>	1	<i>Level of course:</i>	Academic or Honors
<i>Length of course:</i>	Year		
<i>Acad.. Prereq.:</i>	"C" or better in French III		
<i>Honors Prereq.:</i>	"A" in French III or "A" or "B" in French III Honors		

5056 French V

French V Academic continues to expand vocabulary, grammatical structures, and will include varied readings in the target language. Grammar is refined as needed while new grammatical concepts are added. Much opportunity for self-expression and creative use of the language is provided. At this level, students are expected to function exclusively in the target language. All instruction is delivered in the target language.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i> 1	
<i>Length of Course:</i> Year	<i>Level of Course:</i> Academic
<i>Prerequisite:</i> French IV grade of “B” or better.	

5048 Advanced Placement French Language

AP French Language provides the opportunity for qualified students to take a college level course; and it offers possible college credit and possible advanced placement in cooperating colleges for those who pass the standardized test. Emphasizing the use of language for active communication, this course seeks to develop language skills (reading, writing, listening and speaking) that can be used in various activities and disciplines.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i> 1	
<i>Length of Course:</i> Year	<i>Level of Course:</i> AP
<i>Prerequisite:</i> French IV grade of “A” or French IV Honors grade of “A” or “B”	

5115 Spanish Fundamentals I*

This course is designed for students who have received a “D” or “F” in Spanish 1B at the middle school and have a recommendation from their guidance counselor. The course reinforces the four basic language skills of reading, writing, speaking, and listening through a high rate of multi-sensory repetition and practice. Communicative activities, cooperative learning groups, grammar and vocabulary practice and cultural activities will be incorporated in to the language instruction. Upon completion of this course, students are expected to go on to Spanish II Fundamentals.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i> 1	
<i>Length of Course:</i> Year	<i>Level of Course:</i> Academic
<i>Prerequisite:</i> “D” or “F” in Spanish IB At the middle school and/or Guidance counselor recommendation.	

5116 Spanish I*

Spanish I Academic is designed for true beginners and/or students who have not yet gained beginner level proficiency expected of a Level I student. Students entering the High School who received either an A or B in French IB are expected to enroll in the appropriate Level II course. Level I is an introduction to the four basic language skills of reading, writing, speaking, and listening. Vocabulary is presented thematically; grammar patterns are practiced in functional situations related to unit themes. Students will begin to discover similarities and differences between the culture of the target language and their own. Some instruction is delivered in the target language.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Fulfills requirements for arts and humanities or elective credits for graduation
<i>Credits earned:</i> 1	
<i>Length of course:</i> Year	<i>Level of Course:</i> Academic

5125 Spanish II Fundamentals

This class continues to review and reinforce the basic concepts of reading, writing, speaking, and listening through a high rate of multi-sensory repetition and practice. Continued emphasis is given to the development of conversational skills, mastery of previously learned material and acquisition of new grammar structures and vocabulary. This course is designed as the next level of study for students who have completed Spanish I Fundamentals or students who have completed Spanish I Academic at the high school with a “D” or “F,” thus requiring additional reinforcement of the material before advancing. Upon completion of this course, students are expected to go on to Spanish II Academic.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i>	1	<i>Level of Course:</i>	Academic
<i>Length of Course:</i>	Year		
<i>Prerequisite:</i>	Successful completion of Spanish I Fundamentals or a grade of “D” or “F” upon completion of Spanish I Academic at UHS.		

5126 Spanish II

5127 Spanish II Honors

Spanish II Academic continues and expands the fundamental skills of listening, speaking, reading and writing acquired in Level I. Emphasis is given to the development of conversational abilities, mastery of new grammar structures, and acquisition of new vocabulary. Increased attention is given to reading and writing. Much instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Elective - Fulfills requirements of arts and humanities or elective credits for graduation.
<i>Credits earned:</i>	1	<i>Level of course:</i>	Academic or Honors
<i>Length of course:</i>	Year		
<i>Acad.. Prereq.:</i>	“C” or better in Spanish I		
<i>Honors Prereq.:</i>	“A” in Spanish I		

5136 Spanish III

5137 Spanish III Honors

Spanish III Academic develops reading, writing, speaking, and listening skills at a deeper level, as students continue to acquire proficiency in the language. Emphasis is placed on vocabulary acquisition, mastery of basic grammar, introduction to advanced grammar structures, further development of reading and writing skills, and oral/aural communicative skills. Most instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Elective - Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i> 1	
<i>Length of course:</i> Year	<i>Level of course:</i> Academic or Honors
<i>Acad.. Prereq.:</i> "C" or better in Spanish II	
<i>Honors Prereq.:</i> "A" in Spanish II or "A" or "B" in Spanish II Honors	

5146 Spanish IV

5147 Spanish IV Honors

Spanish IV Academic provides a comprehensive review of grammar structures introduced in the previous levels, while continuing the development of advanced grammar structures. Students will respond orally and in writing to authentic literary texts. Students will use the target language to express themselves in functional situations. Students are expected to use the target language during the class. All instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Elective - Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i> 1	
<i>Length of course:</i> Year	<i>Level of course:</i> Academic or Honors
<i>Acad.. Prereq.:</i> "C" or better in Spanish III	
<i>Honors Prereq.:</i> "A" in Spanish III or "A" or "B" in Spanish III Honors	

5156 Spanish V

Spanish V Academic continues to expand vocabulary, grammatical structures, and will include varied readings in the target language. Grammar is refined as needed while new grammatical concepts are added. Much opportunity for self-expression and creative use of the language is provided. At this level, students are expected to function exclusively in the target language. All instruction is delivered in the target language.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i>	1		
<i>Length of Course:</i>	Year	<i>Level of Course:</i>	Academic
<i>Prerequisite:</i>	Spanish IV grade of “B” or better.		

5148 Advanced Placement Spanish Language

A.P. Spanish Language covers the equivalent of a third-year college course in advanced Spanish composition and conversation. It encompasses aural/oral skills, reading comprehension, grammar and composition. All students are expected to take the Advanced Placement exam in May.

<i>Classes per cycle:</i>	6	<i>Type of Course:</i>	Elective - Fulfills requirement of arts and humanities or elective credits for graduation.
<i>Credits earned:</i>	1		
<i>Length of Course:</i>	Year	<i>Level of Course:</i>	Advanced Placement
<i>Prerequisite:</i>	Spanish IV grade of “A” or Spanish IV Honors grade of “A” or “B”		

5216 German I*

German I Academic is designed for true beginners and/or students who have not yet gained beginner level proficiency expected of a Level I student. Students entering the High School who received either an A or B in German IB are expected to enroll in the appropriate Level II course. Level I is an introduction to the four basic language skills of reading, writing, speaking, and listening. Vocabulary is presented thematically; grammar patterns are practiced in functional situations related to unit themes. Students will begin to discover similarities and differences between the culture of the target language and their own. Some instruction is delivered in the target language.

Classes per cycle: 6

Credits earned: 1

Length of course: Year

Type of Course: Elective - Fulfills requirements for arts and humanities or elective credits for graduation.

Level of Course: Academic

5226 German II

5227 German II Honors

German II Academic continues and expands the fundamental skills of listening, speaking, reading and writing acquired in Level I. Emphasis is given to the development of conversational abilities, mastery of new grammar structures, and acquisition of new vocabulary. Increased attention is given to reading and writing. Much instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

Classes per cycle: 6

Credits earned: 1

Length of course: Year

Acad.. Prereq.: "C" or better in German I

***Honors Prereq.:* "A" in German I**

Type of Course: Elective - Fulfills requirements for arts and humanities or elective credits for graduation

Level of Course: Academic or Honors

5236 German III

5237 German III Honors

German III Academic develops reading, writing, speaking, and listening skills at a deeper level, as students continue to acquire proficiency in the language. Emphasis is placed on vocabulary acquisition, mastery of basic grammar, introduction to advanced grammar structures, further development of reading and writing skills, and oral/aural communicative skills. Most instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Elective - Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i> 1	
<i>Length of course:</i> Year	<i>Level of course:</i> Academic or Honors
<i>Acad.. Prereq.:</i> "C" or better in German II	
<i>Honors Prereq.:</i> "A" in German II or "A" or "B" in German II Honors	

5246 German IV

5247 German IV Honors

German IV Academic provides a comprehensive review of grammar structures introduced in the previous levels, while continuing the development of advanced grammar structures. Students will respond orally and in writing to authentic literary texts. Students will use the target language to express themselves in functional situations. Students are expected to use the target language during the class. All instruction is delivered in the target language. **Honors level classes are designed for the highly motivated, linguistically talented student. Honors courses cover the material in greater depth and breadth and at an accelerated pace. All instruction is delivered in the target language.**

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Elective - Fulfills requirements for arts and humanities or elective credits for graduation.
<i>Credits earned:</i> 1	
<i>Length of course:</i> Year	<i>Level of course:</i> Academic or Honors
<i>Acad.. Prereq.:</i> "C" or better in German III	
<i>Honors Prereq.:</i> "A" in German III or "A" or "B" in German III Honors	

5256 German V

German V Academic continues to expand vocabulary, grammatical structures, and will include varied readings in the target language. Grammar is refined as needed while new grammatical concepts are added. Much opportunity for self-expression and creative use of the language is provided. At this level, students are expected to function exclusively in the target language. All instruction is delivered in the target language.

<i>Classes per cycle:</i> 6	<i>Type of Course:</i> Fulfills requirements for arts and humanities
<i>Credits earned:</i> 1	or elective credits for graduation.
<i>Length of Course:</i> Year	<i>Level of Course:</i> Academic
<i>Prerequisite:</i> German IV grade of “B” or better.	

5258 AP German Language

AP German Language provides the opportunity for qualified students to take a college level course; and it offers possible college credit and/or advanced placement in cooperating colleges for those who achieve the required scores on the AP test. Emphasizing the use of language for active communication, AP German seeks to develop language skills (reading, writing, listening and speaking) by using culturally authentic materials. Students are actively engaged in language immersion setting.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> AP
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills requirements of arts and humanities
<i>Length of Course:</i> Year	or elective credits for graduation.
<i>Prerequisite:</i> German IV grade of “A” or German IV Honors grade of “A” or “B”	

Dual Enrollment Courses through Immaculata University

Students will earn both college and high school credit (1) for these courses. These courses are being offered at an in-state tuition price. (For the 2008-2009 school year the total cost was approximately \$800). The following courses are offered at Unionville High School.

5305 Elementary Chinese I — Fall semester (Immaculata CHI 101)

Fundamentals of spoken and written Mandarin Chinese including proficiency development in basic skills of listening, speaking, reading, and writing. Laboratory work required.

Classes per cycle: 3

Type of Course: Elective

Credits earned: 1

Length of course: Semester (Fall)

5306 Elementary Chinese II — Spring semester (Immaculata CHI 102)

Continuation of the fundamentals of spoken and written Mandarin Chinese including proficiency development in basic skills of listening, speaking, reading, and writing. Laboratory work required.

Classes per cycle: 3

Type of Course: Elective

Credits earned: 1

Length of course: Semester (Spring)

Prerequisite: 5305 Elementary Chinese or Instructor's approval

5307 Advanced Intermediate Chinese I — Fall semester (Immaculata CHI 201)

Contemporary overview of Mandarin Chinese language, syntax, and grammar with materials selected for exploring Chinese culture. Emphasis on development of student autonomy in Chinese, especially in speaking and writing. Laboratory work required.

Classes per cycle: 3

Type of Course: Elective

Credits earned: 1

Length of course: Semester (Fall)

Prerequisite: 5306 Elementary Chinese II or Instructor's approval

5308 Advanced Intermediate Chinese II — Spring semester (Immaculata CHI 202)

Continuation of the study of Mandarin Chinese language, syntax, and grammar with materials selected for exploring Chinese culture. Emphasis on development of student autonomy in Chinese, especially in speaking and writing. Laboratory work required.

Classes per cycle: 3

Type of Course: Elective

Credits earned: 1

Length of course: Semester (Spring)

Prerequisite: 5307 Advanced Intermediate Chinese I or Instructor's approval

COMPUTER APPLICATIONS (6500 - 6700 SERIES)

6505 Windows Software Applications

This required semester course will introduce students to a Windows Environment that will enable them to work with and manage computer files and software applications. Students will be introduced to word processing in Microsoft Word, spreadsheets in Microsoft Excel, and databases in Microsoft Access and presentations (or suggestions) in Microsoft PowerPoint. Students will gain the basic skills needed to succeed in college and in the workplace of today.

Classes per cycle: 5

Level of Course: All Students

Credits earned: .5

Type of Course: Required for graduation.

Length of Course: Semester

Grade Level: 9th

6506 Multimedia Productions

The basics of creating and editing digital movies using the iLife software package (iMovie, iTunes, iPhoto, Garageband, and iDVD) will be introduced. Students will use the Green Screen and Final Cut Express HD with iMovie to create exciting movies and a two-minute commercial. Students will learn how to use Garageband to create and export a song of their own which can be used in the projects created in the course. Movies and commercials will be burned on DVD's.

All advanced Microsoft Office PowerPoint techniques will be presented which will enable students to create powerful PowerPoint presentations that students will be able to use in their future years at Unionville High School as well as college and the work force. Adobe Photoshop basics will be introduced to students and students will be able to create a t-shirt design which they will iron on a t-shirt in class. Advanced features of Microsoft Word will be presented and students will create their own business card.

Classes per cycle: 6

Level of Course: All Students

Credits earned: .5

Grade Level: 10, 11, 12

Length of Course: Semester

Type of Course: Fulfills an elective requirement for graduation.

6507 Macromedia Studio MX: Dreamweaver MX, Flash MX & Fireworks MX

This semester course is designed to introduce the student to the Macromedia suite of web-authoring applications used to create appealing and cutting-edge web pages and multimedia. **Macromedia Dreamweaver MX** is a professional visual editor used to create and manage web pages very easily. **Macromedia Flash MX** is the professional/standard-authoring tool used to produce high impact animated web experiences such as movies, buttons, and logos. **Macromedia Fireworks MX** is a graphics program used to create and edit sophisticated images for the Web. Both vector and bitmap images can be created, as well as image maps, rollover buttons, animations and entire web pages. A knowledge of this program will help students excel in college and as well as in the work force. Recommended for students who want to pursue a career in Graphic Design, Art, Web Development, or work from home.

Classes per cycle: 6

Level of Course: All Students

Credit earned: .5

Grade Level: 10, 11, 12

Length of Course: Semester

Type of Course: Fulfills an elective requirement for graduation.

6508 Web Development and Design

In the first marking period of this semester course, students will learn **HTML, HyperText Markup Language**, which will be used to design and create a personal web page project. The projects will be posted on the Unionville High School web page. In addition, students will take a series of digital photos while attending a field trip to Longwood Gardens and then use software to create a 360 degree panoramic view for the web page project. The second marking period of this semester course is dedicated to using **Adobe InDesign**, a desktop publishing software package, which will enable students to create graphic designs, brochures, and flyers. Students will also use Alice Software to create animated graphics.

Classes per cycle: 6

Level of Course: All Students

Credits earned: .5

Grade Level: 10, 11, 12

Length of Course: Semester

Type of Course: Fulfills an elective requirement for graduation.

6509 Adobe PhotoShop Essentials

Photoshop is the professional/standard software used for image manipulation and editing. In this semester course, students will learn how to use and apply the numerous tools to create powerful images. Students will have an opportunity to learn how to work with layers, use masks, and create unique images to give them an artistic look, as well as to distort and create unusual effects. Students will learn how to work with text and create dazzling text, apply text to pictures, and add special effects to images to create dramatic results. Students will learn how to touch up color as well as black and white photos. Recommended for students who want to pursue a career in Graphic Design, Art, Web Development or work at home!

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All Students
<i>Credit earned:</i> .5	<i>Grade Level:</i> 10, 11, 12
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an elective requirement for graduation.

6516 Introduction to Computer Programming using C++

This course will provide a foundation for further studies in computer science by introducing the high-level programming language C++ as a problem-solving tool. Program design, coding, debugging, testing, documentation, and proper programming style will be the focus of the course. Topics will include an introduction to control structures, looping, text files, and functions. A disciplined approach to problem solving methods and algorithm development will also be emphasized.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All Students
<i>Credits earned:</i> .5	<i>Grade Level:</i> 10, 11, 12
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an elective requirement for graduation.
<i>Pre-requisite:</i> "B" or higher in Geometry or Algebra II	

6518 AP Computer Science (Java)

This year long course will provide a foundation for further studies in computer science by introducing the high-level JAVA programming language . The AP Program is based on the premise that college-level material can be taught successfully to able and well-prepared secondary school students.

The student is introduced to the concept of object-oriented programming. The major topics of this course include the syntax of Java, object-oriented programming, classes, searching algorithms, and sorting algorithms. At the end of this course, students will be able to:

- * Understand the main components and features of Java
- * Understand the elements of Object Oriented Programming, and how they relate to Java
- * Program using Java programming language

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	1.0	<i>Grade Level:</i>	10, 11, 12
<i>Length of Course:</i>	Year	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Pre-requisite:</i>	“B” or higher in Algebra II and competence in written communication		

6605 Introduction to Personal Finance

This is an introductory course offered to the 9th and 10th grade. Introduction to Personal Finance will introduce to the students effective ways of handling their finances. Topics will include: Money and Banking, Credit Cards, Budgeting, Taxes, Careers, and Consumer Responsibilities. The Internet will also be used as a supplement to the course.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	1	<i>Grade Level:</i>	9th and 10th
<i>Length of course:</i>	Year	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.

6616 Sports and Entertainment Marketing

Sports and Entertainment Marketing is a unique and innovative course designed for students with an interest in learning the foundations for the numerous careers in the sports and entertainment industry. Instructional areas will include: an orientation to sports and entertainment industry, economics, event execution, career opportunities, decision making, event marketing, advertising and promotion and legal aspects/contracts. Classroom instruction will be reinforced through the use of case studies, field trip experience, current periodicals, the Internet, software, and in-house projects.

Classes per cycle: 6

Level of Course: All Students

Credits earned: .5

Grade Level: 11, 12

Length of Course: Semester

Type of Course: Fulfills an elective requirement for graduation.

6649 Business and Personal Law

This course will focus on both the substance and the process of our legal system and reflect many social and ethical issues. Practical contemporary legal issues such as sexual harassment, date rape, age discrimination, and employment contracts and protections will be addressed. In addition, the course has great practical value, providing background for professional exploration and illuminating the problems of private life, such as marriage, property rental and consumer protection. The Internet will also be used as a supplement to the course.

Classes per cycle: 6

Level of Course: All Students

Credits earned: .5

Grade Level: 10, 11, 12

Length of Course: Semester

Type of Course: Fulfills an elective requirement for graduation.

6659 Criminal Justice

This course introduces students to legal terminology and practices, ethical and criminal issues, how and why laws are passed, juvenile justice, our federal and state court system, forensics, trials, sentencing, our penal system, the death penalty, and law enforcement. Real cases are analyzed through critical thinking exercises and current events are discussed and integrated into the curriculum. The Internet will also be used as a supplement to the course.

Classes per cycle: 6

Level of Course: All Students

Credits earned: .5

Grade Level: 10, 11, 12

Length of Course: Semester

Type of Course: Fulfills an elective requirement for graduation.

6705 Applied Communications

This one-year course is designed to provide a comprehensive grammar review, along with effective business letter and memo instruction. Other forms of communication are also studied, such as oral communication, group communication, work ethics and attitudes, and stress management on the job. In addition, preparation for a successful job interview and research paper relating to the student's chosen career will be completed. Integrated into this course are projects requiring group work, community contacts and practical application. Thinking skills for this level are also incorporated to ensure greater success and skill development for the students. The computer is used to enhance learning in punctuation instruction and for letters and reports.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All Students
<i>Credits earned:</i> 1	<i>Grade Level:</i> 12th
<i>Length of course:</i> Year	<i>Type of Course:</i> Fulfills an English or elective requirement for graduation.

6606 Accounting Computer Application

Accounting Computer Applications is a one-year college preparatory course designed for students interested in a business related major in college such as: finance, business management, business administration or marketing to mention a few. The course will utilize computer software to automate, analyze, and interpret business applications for service and merchandising businesses. Management pertaining to sole proprietorship, partnership and corporate accounting will be computer generated. Business simulations will be used.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All Students
<i>Credits earned:</i> 1	<i>Grade Level:</i> 10, 11, 12
<i>Length of Course:</i> Year	<i>Type of Course:</i> Fulfills an elective requirement for graduation.

6609 Advanced Accounting Computer Applications

Advanced Accounting Computer Applications is a one-year course designed to utilize the microcomputer to automate, analyze, and interpret accounting applications using three types of common accounting systems: departmentalized accounting, corporate accounting, and cost accounting. Business simulations and spreadsheets will be completed using the microcomputer. Part of the course will provide an introduction to Microsoft Excel spreadsheet program.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	1	<i>Grade Level:</i>	11 and 12
<i>Length of Course:</i>	Year	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	C or better in Accounting 6606.		

6615 Entrepreneurship

This course is offered to the students in grades 10 through 12. Students will develop a business plan for a small business and work in groups to develop or market a product or service. Through class discussions, group activities, textbook-workbook activities and case studies the course will explore small business and related marketing concepts.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.

TECHNOLOGY EDUCATION (8000 SERIES)

Students choosing technology education department offerings can expect to be able to complete most required work while in class. Students will be required to brainstorm for project planning. Ample class time is allotted for each student to complete the required project work.

8005 Fundamentals of Materials and Manufacturing/Woodworking and Metalworking Technology

In this hands-on student-centered class, students will build numerous take-home furniture pieces out of wood, metal, and plastics. These projects may include a hanging wall cabinet, mantle clocks, and a variety of other woodworking and metalworking projects. Students will use all of the equipment in our fully outfitted wood-working lab (shop). This is a great opportunity for all students, regardless of their future career aspirations. Students will develop skills in this class that will be useful throughout life in their careers and as future homeowners. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8006 Advanced Materials and Manufacturing/Woodworking and Metalworking Technology

This is a course in advanced level woodworking where students will have the opportunity to build a wide variety of furniture pieces and other items. Students will build upon what they learned in the fundamentals class and apply their knowledge to more advanced projects. This class is also a great opportunity for students, regardless of their graduation year, to complete their graduation project in class. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	8005		

8015 Land Transportation

In this hands-on, action oriented course, you will gain a more in-depth understanding of mechanical systems, engine repair, and aerodynamics. Areas of lab work will include: disassembly and assembly of an internal combustion engine; designing, building and racing a CO2 powered dragster car; constructing and riding a hovercraft; and metal fabrication and welding. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8016 Air and Water Transportation

In this hands-on, action oriented course, you will gain a more in-depth understanding of the construction and operation of airplanes and boats. Students will build and launch model rockets and airplanes. Students will design, construct and race boat hulls. Students will learn to safely use tools, machinery, and lab equipment.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8025 Construction Systems Technology

In this hands-on action-oriented course, you will learn and practice the basics of building construction. You will learn how to frame walls, shingle roofs, hang drywall, wire switches and receptacles, install windows, lay numerous types of flooring, operate a variety of tools and equipment safely, read drawings and blueprints, and much more. This course will provide any student with skills and knowledge that will pay off forever, regardless of career choice. This class is also a great opportunity for students, regardless of their graduation year, to complete their graduation project in class. (Lab Fee).

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8105 Fundamentals of Graphic Communications

This activity-oriented course will provide you with an introduction to creating and producing a variety of printed products. You will use electronic publishing software to design layouts for graphic reproduction. Designs that you create will then be reproduced in class using various printing methods. Examples of projects can include memo pads, screen printed t-shirts, business cards, posters, and other printed products. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8106 Advanced Graphic Communications

This course will provide you with an opportunity to learn more about the field of graphic communications. You will have the opportunity to produce multicolored printed projects such as iron-on transfers for fabrics. Learning how to operate a printing press will be part of the course. Activities will include the production of printed materials for school related and personal use. Computers and desktop publishing software will be used extensively for the design of printed projects. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	8105		

8205 Technical Drafting

This action-oriented student-centered course will provide you with an introduction to technical drafting techniques, 3-D modeling, computer-aided drafting (CAD), 3-D on-screen computer modeling, technological design and problem solving, and computer numerically controlled (CNC) machining. We call it a student-centered course because you will spend the bulk of your time working on drawings, models, CAD drawings, and CNC projects. While this course would be beneficial to anyone, it is extremely valuable for anyone planning a career in engineering or other technical fields. This class will also provide you with the opportunity to complete your graduation project.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8206 Engineering/CAD Drafting

This is a computer-based advanced drafting course where you will create CAD drawings, 3-D computer models, and 3-D solid models. You will also have the opportunity to bring your computer models to life through the use of the computer-numerically controlled router, which takes your 3-D computer models and cuts them out of solid materials.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All Students
<i>Credits earned:</i> .5	<i>Grade Level:</i> 9, 10, 11, 12
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an elective requirement for graduation.
<i>Prerequisite:</i> 8205	

8215 Architectural Drawing and Design

This course will provide you with the opportunity to design, draw, and model the home of your dreams. You will understand appearance, building techniques, economics, furnishings, traffic flow, use of space, balance, rhythm, and other design considerations necessary for quality design. This class provides an excellent opportunity to complete your graduation project.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All Students
<i>Credits earned:</i> .5	<i>Grade Level:</i> 9, 10, 11, 12
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an elective requirement for graduation.
<i>Prerequisite:</i> None	

8216 Computer-Aided Architectural Drawing and Design

In this hands-on computer-based course, you will gain a much more in-depth understanding of architectural design. You will use a number of different software packages to create 2-dimensional and 3-dimensional architectural drawings on the computer. You will use the same software and techniques used in colleges, universities, and professional design firms.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All students
<i>Credits earned:</i> .5	<i>Grade Level:</i> 9, 10, 11, 12
<i>Length of Course:</i> Semester	<i>Type of Course:</i> Fulfills an elective requirement for graduation.
<i>Prerequisite:</i> 8215	

8305 Fundamental Still Photography

This is a course designed for all students who are interested in exploring photography as hobby or possible career choice. You will learn about black and white photography. Basic photographic principles including handling, developing and printing of photographs, as well as other darkroom techniques, will be explored. You will also have an introduction to the use of a scanner and a computer to manipulate images that you create.

(Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8306 Advanced Still Photography

This activity-oriented course offers the opportunity to further refine skills in photography. Students will be able to continue to develop their abilities in camera and darkroom techniques. Emphasis will be placed on photo composition and preparation of a portfolio to showcase students work. Students will explore digital photography and how to properly manipulate/enhance photos with Adobe Photoshop. You will also learn how to make your photos into slideshows and other presentation methods. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	8305		

8307 Desktop Video Production

In this hands-on course, students will make their own video productions. Students will have the opportunity to learn how to operate video cameras, sound equipment and various editing and other tools to produce a variety of video assignments based on personal, school, and community interests. There will be both group and individual projects. This class utilizes the DMZ (Digital Media Zone) which is a fully equipped TV Studio and editing facility. No previous experience is necessary. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8405 Fundamentals of Electricity/Electronics

This action-oriented student centered course is designed for students interested in electronics as a hobby or possible career choice. You will have the opportunity to build a variety of projects can be taken home, and learn about circuits and their components through experimentation. You will also have an introductory experience with robotics and computer numerically controlled equipment. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	None		

8406 Advanced Electronics

This laboratory oriented course is the advanced study of electronics. You will build more involved projects and experiment with more complicated circuitry, providing a more in-depth understanding of current practices and techniques in the electronics field. (Lab Fee)

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Grade Level:</i>	9, 10, 11, 12
<i>Length of Course:</i>	Semester	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisite:</i>	8405		

FAMILY & CONSUMER SCIENCES (8500 - 8700 SERIES)

8706 Independent Life Skills - Life After High School

So you have graduated, yikes.....now what do you do? This course will help you make that decision. You will assess yourself. You will decide on pursuing a college degree, the workforce, an apprenticeship, the military, or a technical school. Learn how to fill out applications and write a resume, and how to keep track of them. Tips will be given on interviewing. You will learn how to find a place to live, set it up, and read that contract or lease. Find out how to write a check, read a paycheck, not bounce a check, the danger of credit and how to keep it all organized. How do you read that college course schedule? What can you expect the first year of school or work? What is expected of you as an adult citizen? This course is designed to help you find answers and give you a bridge into your life after high school. (Lab Fee)

<i>Class per cycle:</i>	5	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	1	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Length of Course:</i>	Year	<i>Prerequisite:</i>	None
<i>Grade Level:</i>	10, 11, 12		

8505 Foods I

The course you always wanted! A chance to create recipes and menus and taste as you go! This course is designed for the student who would like to learn basic baking and cooking skills. Students will learn to follow a recipe, measure ingredients accurately, recognize and use kitchen equipment, and apply the basic principles of food preparation. Emphasis will be placed on nutritious breakfast and lunch menus. Community service project will be a component of the class. (Lab fee.)

<i>Classes per cycle:</i>	5	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Length of course:</i>	Semester	<i>Prerequisite:</i>	None
<i>Grade Level:</i>	All grades		

8506 Foods II

How to prepare healthy delicious meals! Basic baking and cooking skills will be applied while preparing lunch and dinner menus. Students will prepare, eat and evaluate a variety of foods. Safe handling and preparation of food and the selection of balanced menus will be included. Students will help select recipes to be used in class. Community service project will be a component of the class. (Lab Fee).

<i>Classes per cycle:</i>	5	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Length of course:</i>	Semester	<i>Prerequisite:</i>	Foods I
<i>Grade Level:</i>	All grades		

8507 Regional and Global Cuisine

Learn to prepare foods from different regions within our nation, and then travel to different countries by learning to prepare foods of different cultures. Research the culinary customs and techniques of the different areas and then prepare cuisine typical of the area studied. Develop an understanding and an appreciation of the diversity of the regions of the U.S. and the nations through the "world of foods." Guest speakers/chefs from the different areas will teach us some of the techniques. A field trip is planned for this course. (Lab Fee)

<i>Classes per cycle:</i>	5	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.5	<i>Type of Course:</i>	Fulfills an elective for graduation.
<i>Length of Course:</i>	Semester	<i>Prerequisite:</i>	Foods I & Foods II, or Advanced Language Students, or Teacher approval.
<i>Grade Level:</i>	10, 11, 12		

8605 Housing and Interior Decoration

Where will I live in the future? What does sublease, rental, co-op, or condo mean? Do I have to have a roommate and where would I find one? Learn about the factors that effect housing, space planning, selection of home furnishings, exterior styles of housing, careers in the industry, and more. Using a portfolio, you will apply housing design principles and art elements in creating original decoration for rooms. You will design your living space for color, comfort, and your individuality! The portfolio will have a reference section and take you from your first starter home/apartment to your "dream Home." A field trip is taken to a Design Home or local furniture store. (Lab Fee)

Classes per cycle: 5

Level of Course: All Students

Credits earned: .5

Type of Course: Fulfills an elective requirement for graduation.

Length of course: Semester

Grade Level: 10, 11, 12

8705 Child Development

A way to look back and appreciate your own growth as well as that of others. The course focus will be the development of a child from conception through age six. Study will include the physical, emotional, social and intellectual stage of development, as well as, observation days with the opportunity to test learning and discuss. One or two field trips are planned for this course. (Lab Fee)

Classes per cycle: 5

Level of Course: All Students

Credits earned: .5

Type of Course: Fulfills an elective requirement for graduation.

Length of course: Semester

Grade Level: All grades

MUSIC (7000 SERIES)

All music performing groups, both instrumental and vocal, are Authentic Assessment situations, in which students are graded according to their performance, attendance, general positive participation in ensemble activities, functions, and rehearsals, etc. Because of the nature of this discipline, attendance at performances is mandatory. When students miss required performances, their grade is potentially affected, much the same way a missed test, presentation, or written assignment in other academic subjects will affect the grade earned by the student. In many cases, a missed performance cannot be made up, unless a prearranged alternative assignment is possible, and is offered by the educator.

All instrumental students (excluding violin, viola, cello, string bass, harp, and guitar) are required to participate in the Marching Band and its activities. Marching Band is part of the total high school instrumental program, and remains open to string players and students not in the instrumental performance program. Students playing a Fall school sport may opt out of Marching Band.

I. INSTRUMENTAL PERFORMANCE OPTIONS

7505 Concert Band

Membership in the band is by audition (for placement), and previous instrumental experience is required. There are two annual concerts - winter and spring. Concert Band meets three periods per cycle.

Classes per cycle: 3

Level of Course: All students

Credits earned: .5

Type of Course: Fulfills an elective requirement for graduation.

Prerequisites: Audition

Length of Course: Year

7506 Symphonic Band

This select band is by audition only, and previous instrumental experience is required. There are two annual concerts - winter and spring with festival performances at the discretion of the director on trips and adjudications. Symphonic Band meets three periods per cycle.

Classes per cycle: 3

Level of Course: All students

Credits earned: .5

Type of Course: Fulfills an elective requirement for graduation.

Length of Course: Year

Prerequisites: Audition

7509 Jazz Band

A select instrumental ensemble whose members are chosen by audition. Jazz band performs annually in the Spring, with other performances at the option of the director. This performing group meets 3 scheduled periods per cycle.

Classes per cycle: 3

Level of Course: All students

Credits earned: .5

Type of course: Fulfills an elective requirement for graduation.

Length of course: Year

Prerequisites: Audition - must be enrolled in instrumental, choral groups.

7515 Orchestra

All wind & percussion members are selected from the Concert and Symphonic Bands. Auditions are required for seating for string players and for membership for woodwinds, brass and percussion. There are two annual performances - Holiday, and Spring with other performances at the option of the director. Orchestra meets 3 scheduled periods per cycle.

Classes per cycle: 3

Level of Course: All students

Credits earned: 5

Type of Course: Fulfills an elective requirement for graduation.

Length of course: Year

Prerequisite: Audition

II - CHORAL PERFORMANCE OPTIONS

All vocal ensembles require an audition for placement. Students wishing to participate in vocal/choral music must audition with Mr. Throne prior to course selection and scheduling. Singers will be selected for and assigned to the appropriate choral ensemble based upon the results of the audition. This audition is for placement only - no one will be eliminated from vocal music due to the audition results.

7605 Concert Choir "A"

Concert Choir "A" is for singers **not** in Symphonic Band or Orchestra, or who **are in** Concert Band. Participants are assigned following an audition. The audition, for placement, is required of all singers. This vocal ensemble will combine with Concert Choir "B" to perform in the annual Holiday and Spring concerts. Concert Choir meets three days per cycle.

<i>Classes per cycle:</i> 3	<i>Level of Course:</i> All grades
<i>Credit earned:</i> .5	<i>Type of Course:</i> Elective
<i>Length of Course:</i> Year	<i>Prerequisite:</i> Audition required

7606 Concert Choir "B"

Concert Choir "B" is for singers **who are** in Symphonic Band and/or Orchestra, and are not in Concert Band. Participants are assigned following an audition. The audition, for placement, is required of all singers. This vocal ensemble will combine with Concert Choir "A" to perform in the annual Holiday and Spring concerts. Concert Choir meets three days per cycle.

<i>Classes per cycle:</i> 3	<i>Level of Course:</i> All grades
<i>Credits earned:</i> .5	<i>Type of Course:</i> Elective
<i>Length of course:</i> Year	<i>Prerequisite:</i> Audition required

7609 Chorale

Chorale is a select vocal ensemble of approximately 40 voices, chosen by audition. Chorale rehearses three scheduled periods per cycle plus night rehearsals near concerts or performances as needed. The chorale performs several concerts each year, both in school and out of school. Chorale members are also scheduled for Concert Choir.

<i>Classes per cycle:</i> 6	<i>Level of Course:</i> All students
<i>Credits earned:</i> 1	<i>Type of Course:</i> Elective
<i>Length of course:</i> Year	<i>Prerequisites:</i> Audition required

IV - NON-PERFORMANCE ELECTIVE OPTIONS

7705 All About Music

Basic elements of music theory and composition are studied, using computers and MIDI keyboard equipment. Up-to-date software programs are used to study, write, and arrange music. Other activities may include ear training, pitch recognition, and current trends and events in the music world. Experience on a music instrument is desirable. This course will be helpful to students planning careers or avocations in the music field or related industries.

<i>Classes per cycle:</i>	1	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.2	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Prerequisites:</i>	Previous experience in vocal or instrumental music.	<i>Length of course:</i>	Semester

7706 Survey of Theatre

This course focuses on the American Musical Theatre, with particular attention to the great musical shows of the 1800's to the present. Class time is spent watching video taped musical shows, with follow-up discussion and study of the music, plot, characters, etc. Other areas covered may include stage crafts, make-up, stage lighting, sound and acting techniques. One or two annual theatre trips to see live theatre are available to students. An annual Broadway musical production in the late winter is available to all UHS students, and involves students in this class. The course may be offered both semesters, if needed.

<i>Classes per cycle:</i>	5	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.5	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Length of course:</i>	Semester		

7525 Beginning Piano Class

Piano lessons for beginning students only. No previous experience on piano is required. Students will have short private lessons each cycle. Out-of-school practice is required, so a piano at home is necessary!

<i>Classes per cycle:</i>	1	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	2	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Length of course:</i>	Year		
<i>Prerequisite:</i>	Some music background helpful!		

7715 Music Theory I

This course provides students with the skills to analyze and compose music. The main focus of this class will be to advance our music students abilities in note reading, scale construction, interval study, chord building, melody writing, ear training, creative composition writing, and sight reading. This class is intended for students who can read music and want to enhance their own musicality and is the prerequisite for Music Theory II.

<i>Classes per cycle:</i>	3	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.25	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Length of Course:</i>	Semester		
<i>Prerequisite:</i>	Participation in music ensemble, ability to read music, teacher recommendation.		

7716 Music Theory II

This course is designed for students with a serious interest in music and is especially recommended for those considering a career in music. Topics to be studied include scales, intervals, key signatures, chords, rhythmic notation, counterpoint, four-voice realization of figured bass symbols, sight-singing, and melodic dictation. There will be periodic quizzes, part-writing assignments, and listening assignments. Students who have completed this course will have a thorough understanding of the elements of music, as well as improved listening skills. Music Theory I must be successfully completed in order to take this course. This course is a prerequisite for a future AP Music Theory course.

<i>Classes per cycle:</i>	3	<i>Level of Course:</i>	All students
<i>Credits earned:</i>	.25	<i>Type of course:</i>	Fulfills an elective requirement for graduation.
<i>Length of Course:</i>	Semester		
<i>Prerequisite:</i>	Music Theory I and participation in music ensemble.		

7718 AP Music Theory

This course is designed for students who wish to prepare for the Advanced Placement (AP) test in Music Theory. Course content is consistent with the syllabus for AP Music Theory prepared by the College Entrance Examination Board. It is designed to develop musical skills that will lead to a thorough understanding of music composition and music theory. Students planning to major in music in college may be able to enroll in an advanced music theory course, depending on individual colleges' AP policies.

This rigorous course expands on the skills learned in the Music Theory I and II courses. Musical composition, sequencing and use of MIDI digital formats are some of the many applications employed to further student understanding of music theory.

<i>Classes per cycle:</i>	6	<i>Level of Course:</i>	AP
<i>Credits earned:</i>	1	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Length of Course:</i>	Year	<i>Grade Level:</i>	10-12
<i>Prerequisite:</i>	Completion of Music Theory I and II and teacher recommendation.		

7725 Music Technology I

This course will allow students to explore music technology applications and techniques, utilizing MIDI workstations, synthesizers, and computer interfaces. Students will learn in a hands-on environment, developing skills with sequencing, notation, and other music software. A major music lab project will be required.

<i>Classes per cycle:</i>	3	<i>Level of Course:</i>	All Students
<i>Credits earned:</i>	.25	<i>Type of Course:</i>	Fulfills an elective requirement for graduation.
<i>Length of Course:</i>	Semester	<i>Grade level:</i>	9-12
<i>Prerequisite:</i>	None		

7726 Music Technology II

This course will allow students to explore music technology applications and techniques, utilizing MIDI workstations, synthesizers, and computer interfaces. Students will learn in a hands-on environment, developing skills with sequencing, notation, and other music software. A major music lab project will be required.

This is a second level course that will utilize advanced techniques and concepts to add on to the skills learned in the first level of this course.

Collaboration with the video production classes will also be explored with joint projects and activities.

Classes per cycle: 3

Level of Course: All Students

Credits earned: .25

Type of Course: Fulfills an elective requirement for graduation.

Length of course: Semester

Grade Level: 9-12

Prerequisite: Music Technology I

HEALTH & PHYSICAL EDUCATION (6000-6100 SERIES)

6115 Health - 9th Grade

6015 Physical Education - 9th Grade

The Health course explores the concept of wellness and how it relates to topics in mental health, nutrition, substance abuse and human sexuality. The Physical Education course includes personal fitness evaluation, related games and activities, and fitness development. Proper gym attire is mandatory. In both courses, special emphasis is placed on self-evaluation of wellness and application to personal goal-setting and decision-making.

Classes per cycle: 6 (Health & PE) *Level of Course:* All Students

Credits earned: .25 Health *Length of Course:* Semester
.25 Phys Ed

Required for Graduation: Yes *Grade Level:* 9th

6025 Physical Education - 10th Grade

This class is designed to promote a healthy lifestyle through physical activity. Students will learn the proper lifting and exercise techniques as well as weight room and fitness center rules and etiquette. Students will learn how to properly read and use a heart rate monitor. Various individual and team activities will be used to demonstrate the difference between aerobic and anaerobic activities. Evaluation includes participation, skill tests, and written assessments.

Classes per cycle: 3 *Level of Course:* All Students

Credits earned: .25 *Length of Course:* Semester

Required for Graduation: Yes *Grade Level:* 10th

6035 Physical Education - 11th Grade

In this course, the student will focus on fitness and developing skills in team and individual recreational activities. Students will participate in an experiential education unit. This unit will expose students to a variety of team and cooperative activities through which students will learn skills necessary for daily life. Evaluation includes participation, skill tests and written tests.

Class per cycle: 3 *Level of Course:* All Students

Credits earned: .25 *Length of Course:* Semester

Required for Graduation: Yes *Grade Level:* 11th

6125 Health - 11th grade

In this 11th grade Health course, the student will experience lessons dealing with contemporary issues in nutrition, exercise, stress management, cardiovascular disease, substance abuse and theories of addiction. Students will also learn first aid concepts and CPR. Students will have the opportunity to receive CPR certification through the American Red Cross. Assessment will include practical examination, in-class and homework assignments, and written tests.

Classes per cycle: 3

Level of Course: All Students

Credits earned: .25

Length of Course: Semester

Required for Graduation: Yes

Grade Level: 11th

6045 Physical Education - 12th Grade

In this course, the student applies knowledge of sport, fitness and recreational activities to plan and present a class unit. Lifetime sports are practiced with an emphasis on cooperative learning and leadership skills.

Classes per cycle: 3

Level of Course: All Students

Credits earned: .25

Length of Course: Semester

Required for Graduation: Yes

Grade Level: 12th

ART (7000-7200 SERIES)

The word art is often associated with drawings, paintings, sculpture and the manual skills required to produce such items. In the past, the value and satisfaction provided by art has been seen as appropriate only to those who have culture or talent. Recent evidence has shown a changing attitude towards the need for art in our society. Properly utilized, art can promote visualization techniques capable of enhancing creative thinking. This heightened creativity has been found useful in many various applications. Art is becoming recognized not only as a means of self-expression but necessary to professions in science, business and medicine.

According to a study by the Center for Creative Leadership, in Greensboro, N.C., over fifty per cent of the five hundred largest American companies now have formal programs for creativity training. The University of PA has begun requiring a life drawing class for pre-med students. There is an acknowledged relationship between the drawing skills acquired in the course and the observation skills necessary in medicine. Architectural and engineering firms are seeking to employ more creative job candidates. Students considering careers in these fields should be advised to schedule art classes in their educational program. These are but a few examples but they indicate a shift from over-concern for "right" answer towards esteem for more creative solutions.

Here at Unionville High School we offer courses that emphasize visual education. Selection of an ART MAJOR course will not only promote creative thinking but also fulfill a graduation requirement. An ART ELECTIVE class will serve the need for the five elective credits also required for graduation. In both cases, a student may choose a two or three dimensional emphasis. To the Unionville High School Art Department, creative thinking and visualization techniques are not new ideas; we are just seeking a new approach to inviting everyone to learn to appreciate their value.

An independent study in Art is available with counselor and Art Chairperson approval. See Department Chairperson for more information on this option. Student must meet all regular course requirements.

7005 2-D Art, Semester Elective

This semester long course provides students of all levels experience with the elements of two-dimensional art-work and the use of popular 2-3 art media. Materials to be utilized may include but are not limited to: paper, printmaking, collage, illustration and pen & ink. After introductory lessons, students work individually in the specified area. Projects are required and evaluated on a regular basis. Students will receive a letter grade each marking period. (Lab Fee)

Classes per cycle: 5

Level of Course: All Students

Credits earned: .5

Type of Course: Fulfills requirements for arts and humanities

Length of Course: Semester

or elective credits for graduation.

7006 3-D Art, Semester Elective

This semester long course provides students of all levels experience with the elements of three--dimensional artwork and the use of popular 3-D art media. Materials to be utilized may include but are not limited to hand-built clay, paper relief, plaster, wire, foam, and mixed media sculpture. After introductory lessons, students work individually in the specific area. Projects are required and evaluated on a regular basis. Students will receive a letter grade each marking period. (Lab Fee).

Classes per cycle: 5

Level of Course: All Students

Credits earned: .5

Type of Course: Fulfills requirements for arts and humanities

Length of Course: Semester

or elective credits for graduation.

7105 Art I/Foundations

This course is designed to introduce the fundamentals of composition, 2D design and color. Emphasis will be placed upon drawing from sight. The drawings will be from nature, still-life and live models. Various two dimensional media will be used throughout the course. Outside-of-class work will be expected. Projects are required to be completed on a regular basis. Students will receive a letter grade each marking period. (Lab Fee)

Classes per cycle: 5

Level of Course: All Students

Credits earned: 1

Type of Course: Fulfills requirements for arts and humanities

Length of Course: Year

or elective credits for graduation.

7106 Art II/Methods and Media

This course will build upon two dimensional skills taught in the Art I Course. Elements of design and principles of composition will continue to be incorporated into the program at this stage. Additionally, a variety of media and techniques will be emphasized. Students will be permitted to explore suitable, aesthetic subject matter without sacrificing individual creativity. Sight-drawing and perspective lessons will be included. Outside-of-class work may be necessary. Projects will be evaluated on a regular basis. Students will receive a letter grade each marking period. Sketch book and lab fee required.

<i>Classes per cycle:</i> 5	<i>Level of Course:</i> All Students
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills requirement for arts and humanities or elective credits for graduation.
<i>Length of Course:</i> Year	
<i>Prerequisite:</i> Art I (Teacher permission)	

7115 Art III/Portfolio

This level art course will place emphasis upon development of the student portfolio. Techniques learned in Art I and Art II will combine for a more personal expression. Students will be required to refine a more individual style of artistic statement. Basis skills and media considerations will be further explored. Outside-of-class work will necessary. Projects will be evaluated on a regular basis. Students will receive a letter grade each marking period. Sketch book and lab fee required.

<i>Classes per cycle:</i> 5	<i>Level of Course:</i> All Students
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills requirement for arts and humanities or elective credits for graduation.
<i>Length of Course:</i> Year	
<i>Prerequisite:</i> Art II (Teacher permission)	

7116 Art IV: Advanced Portfolio

This course will offer senior art students an individualized apprenticeship for culminative portfolio refinement. Continued emphasis will be placed upon personal development and assessment. Art media and evidence of competence will be evaluated and selected after periodic student-teacher conference. Outside-of-class work will be necessary. Students will receive a letter grade each marking period. Sketchbook and lab fee are required.

<i>Classes per cycle:</i> 5	<i>Level of Course:</i> All Students
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills requirement for arts and humanities or elective credits for graduation.
<i>Length of Course:</i> Year	
<i>Prerequisite:</i> Art III (Teacher Permission)	

7015 3-D Design I

In this year long credit course, students will experience important 3-D sculpture areas which may include but are not limited to: papermaking, stone carving, handbuilt and wheelthrown clay, metals (including sterling silver) and fibers. Ceramic design and pottery production will be highlighted in this class. Techniques include wheel thrown pottery, paperboard construction, casting and carving. Equipment employed will include pottery wheels, handsaws, chisels, molds, and x-acto knives. After workshop style introductory lessons, students work with guided independence within each art area. Planning and design will be emphasized. The course requires a completed project in each workshop area. Students will receive a letter grade each marking period. (Lab Fee)

<i>Classes per cycle:</i> 5	<i>Level of Course:</i> All Students
<i>Credits earned:</i> 1	<i>Type of Course:</i> Fulfills requirement for arts and humanities or elective for graduation.
<i>Length of Course:</i> Year	

7016 3-D Design II

This year long credit course builds developmentally upon techniques and processes learned in 3-D Design I. Workshop style introductory lessons will be presented, and students will demonstrate and research techniques and processes to expand into higher level applications, more individualized designs and larger, more permanent works. Elements of design and themes of 3-D art will continue to be incorporated into the class at a more advanced level. Emphasis will be placed on personal expression through the presentation of the sculptural mediums, which include but are not limited to clay, metals, and fibers. The course required a completed project in each workshop. Students will receive a letter grade each marking period. (Lab Fee)

Class per cycle: 5

Level of Course: All Students

Credits earned: 1

Type of Course: Fulfills requirement for arts and humanities

Length of Course: Year

or elective credits for graduation.

Pre-requisite: Crafts/3-D Design I
(Teacher Permission)

7208 Advanced Placement Art History

The Advanced Placement course serves multiple purposes. It satisfies a Humanities elective requirement, it provides an opportunity for highly motivated students to take a college level course, and it offers the possibility of college credit at cooperating colleges and universities. As in all AP courses, students are expected to take the AP exam in May.

AP Art History follows the national course outline which emphasizes the historical and cultural contexts of human development from the prehistoric times through modern times as seen through art, architecture, photography, and artifacts.

This course is interdisciplinary by nature. The skills required are analytical writing, visual & critical observation, and chronological organization of factual information. Formal aspects to be achieved include:

- Analyzing formal elements of art
- Becoming familiar with art vocabulary
- Acquiring knowledge of media materials and techniques of art production
- Recognizing and identifying period styles
- Developing a visual memory of a body of artworks
- Writing analytical and comparative essays.

The AP Art History program's goal is to develop the understanding of culture through a working knowledge of history and philosophies through the world's work of art. **NO ART ABILITY IS NECESSARY. NO ART WILL BE PRODUCED IN CLASS.**

Classes per cycle: 6

Level of Course: Advanced Placement

Credits earned: 1

Type of Course: Fulfills requirement for arts and humanities or elective credits for graduation.

Length of Course: Year

Grade Level: 11th & 12th

Pre-requisite:

Grade A in 10th and 11th grade English

Grade B or better in 10th and 11th grade Honors English

Grade B or better in 10th grade Cultural Studies

EDUCATIONAL SUPPORT

Instructional Support Team

Students are referred to the IST for consideration when they are perceived to have needs that require the attention of educational specialists.

The IST is a cooperative planning committee which draws on the combined skills of a variety of professionals. Its work involves an ongoing process of student needs identification through referrals, input from high school staff and parents, various types of testing, sharing of data, and the making of recommendations. Services cover a wide range and include prescriptions for educational support, remediation, and/or counseling.

The team consists of guidance personnel, the school nurse, an I.S.T. coordinator, school psychologist, HELP Team representative, an administrator, regular ed teachers, and additional staff as needed. These professionals compile information about, create plans with, and aid implementation of appropriate educational programs for the students.

0405 Emotional Support/Pathways

Students may receive support in the Pathways classroom, in the general education classes, or through a Monitoring program. The students have emotional needs that require additional support for them to be successful in the school environment. Services are maintained to meet the individual needs of these students.

Ongoing parent contact, diagnostic evaluations, and skill development through the delivery of curriculum are an integral part of the program.

<i>Hours per week:</i>	Determined on an individual basis
<i>Grade Levels:</i>	All
<i>Credits Earned:</i>	Determined on an individual basis
<i>Prerequisites:</i>	Identification of emotional support eligibility by a school psychologist based upon PA guidelines.

0005 Learning Support

Students may receive support in the Learning Support classes where intensive strategy instruction or opportunities for guided practice related to a student's IEP goals is provided. Support may also be provided in general education classes where the special education teacher is a consultant, co-planner or coteacher alongside the regular education teacher. Students may receive services through the Monitor Program where a staff member confers with the student about current academic status, plans for subsequent assignments, and assesses or re-views the student's application of strategies at an independent level. This continuum of services is maintained to meet the individual needs of these students, and operates on the research-based theory that exceptional students can learn in the general education classes when taught how to process information strategically.

Ongoing parent contact, diagnostic evaluations, and skill development through the delivery of curriculum are an integral part of the program.

Hours per week: Determined on an individual basis.

Grade Levels: All

Credits earned: Determined on an individual basis.

Prerequisites: Identification of learning support eligibility by a school psychologist based upon PA guidelines.

WORK EXPERIENCE

Procedure for Scheduling Work Experience (9919)

1. Seniors who are interested in working afternoons during the school year should make an appointment with their counselor to see if work experience participation is possible in view of graduation requirements.
2. All candidates for the work experience program must complete and return the "Application for Participation in Work Experience Program" to the Counseling Center.
3. Seniors who are not 18 years old must complete and return working papers to the Main Office.
4. After the above is completed, students must make an appointment with their counselor to review their class schedules, making any needed course changes.
5. A work-experience student who does not meet the requirements to be a full-time student may not be involved in any athletic or non-athletic extracurricular activity. The definition of a full-time student is one taking a minimum of 30 classes per cycle per semester.

CHESTER COUNTY TECHNICAL COLLEGE HIGH SCHOOL

Course No. 9005 - Students elect to spend one-half day at Chester County Technical College High School and one-half day at Unionville High School.

The Chester County Technical College High School is a joint venture of the Chester County Intermediate Unit and Delaware County Community College. The Chester County Technical College High School will offer career and technical programs for high school students such as the ones now offered at the Center for Arts & Technology; and Delaware County Community College will offer associate degree programs to college students. Students will spend a half day at Unionville High School and a half day at the Technical College High School. The Technical College High School is located in Penn Township and will serve high school students residing in Avon Grove, Kennett-Consolidated, Oxford and Unionville-Chadds Ford School Districts. As a public high school, the Technical College High School is free to high school students residing in these public school districts. Upon high school graduation, students are able to attend 2-year and 4-year colleges.

The following programs are offered:

Animal Science & Technology:

The Animal Science & Technology program prepares students for careers in veterinary science and the small animal care industry.

Applied Engineering Technology:

The Applied Engineering Technology program allows high school students to earn up to 16 college credits in electronics during their junior and senior years of high school. Students in this program are dually enrolled at Technical College High School and at Delaware County Community College (DCCC).

Automotive Collision Technology:

The Auto Collision Technology program provides students with hands-on training as well as the technical knowledge required to master all types of collision repairs.

Automotive Service Technology:

Automotive Service Technology prepares students for an entry-level position in the field of automotive service and repair or to pursue an associate's degree in automotive science technology.

Carpentry & Cabinetmaking:

The Carpentry & Cabinetmaking program provides students with the skills necessary to find employment in residential construction and home improvement.

Computer Information Systems:

Information technology continues to be one of the fastest growing occupations in the country. Students will have the opportunity to concentrate in the following areas: Web site development, programming and networking.

Cosmetology:

The Cosmetology program provides students with the instruction and skill training necessary to successfully complete the Pennsylvania State Board of Cosmetology examination and to secure a professional license in cosmetology.

Culinary Arts:

The Culinary Arts program prepares students for successful and rewarding careers in the food service industry. The program includes instruction in food preparation, restaurant management, catering, culinary arts, short-order and high-volume cooking, baking, and customer service.

Drafting Design Technology:

Students will learn to use technical skills to create drawings, plans, and computer models.

Early Childhood Care & Education:

The Early Childhood Care & Education program prepares students for entry-level positions in the child care field and for further training in early childhood education. Students may also prepare for the Certified Child Care Professional Credential through the National Child Care Association.

Electronic Systems Technology:

Students in the Electronic Systems Technology program learn how to build and test electronic circuits and how to apply the electronic theories of audio systems, radio and wire communication, computers, digital communication and light wave applications to real world situations.

Engine Technology & Recreational Vehicles:

Students in this program learn how to diagnose, repair, and machine a variety of two and four-cycle engines that are air cooled and liquid cooled. The ever-increasing complexity of engines and the vehicles/equipment they power demands highly specialized skills.

Finance Academy:

The Finance Academy is a comprehensive course of study that concentrates on finance, business education and business computer applications.

Health Occupation:

The Health Occupations course of study combines instruction in medical terminology, medical abbreviations, anatomy, physiology, medical ethics, nutrition, growth and development, basic nursing, physical therapy, and medical assisting skills.

Horticulture & Landscape Gardening:

The Horticulture program provides students with instruction in plant identification, flower arranging, basic greenhouse operation, garden maintenance, and retail and wholesale marketing. Landscape Gardening includes instruction and hands-on training in growing and maintaining trees and shrubs, annual flowers and vegetable plants.

HVAC/Refrigeration Technology:

The HVAC/Refrigeration Technology program provides students with the opportunity to learn how to install, maintain, and troubleshoot a wide range of heating, ventilation, cooling, and refrigeration systems. Classroom presentations are reinforced by hands-on projects.

Security & Police Sciences:

The Security & Police Sciences program prepares students for careers in the security and law enforcement fields. Students who graduate from this program may continue to study criminal justice at the college level. Students also will have obtained skills necessary to be successful in career-oriented positions.

Allied Health Science Technology:

The Allied Health Science Technology program is sponsored by The Chester County Technical College High School. The Allied Health program is a college preparatory program for academically-talented high school seniors considering a career in the medical field. The program provides a foundation to develop and practice skills necessary for a successful professional career in medicine.

- Juniors who are interested in this program should discuss the application procedure with his/her School Counselor during the course selection process.

Teacher Academy:

The Teacher Academy is a college preparatory program sponsored by The Chester County Technical College High School for academically-talented high school seniors considering a teaching career. The program provides a foundation to develop and practice skills necessary for a successful professional career in education.

- Juniors who are interested in this program should discuss the application procedure with his/her Guidance Counselor during the course selection process.

Health Care Academy:

This two-year program is sponsored by The Chester County Technical College High School for juniors and senior interested in pursuing a nursing career. Students will receive college credit and advanced standing to Delaware County Community College's Nursing program OR may transfer that credit to a college of their choice.

- Sophomores who are interested in this program should discuss the application procedure with their counselor during course selection

DRIVER EDUCATION

The program contains two phases - classroom instruction and behind-the-wheel. The classroom portion of the program is offered in the evenings during the Fall and Spring school term and in the Summer. The behind-the-wheel phase of instruction will be offered to those students who have successfully completed the classroom phase of instruction and have obtained a Pennsylvania Permit or Driver's License. A fee of \$275 is charged for the program (fee subject to change). Information as to the sign up for these classes is available in the high school office. Students do not sign up for this course during the course selection process, nor is it a credit course.