

# **Palmerton Area High School**



**2019-2020  
Program of Studies**



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# PALMERTON AREA SCHOOL DISTRICT

## *District Mission Statement*

Palmerton Area School District educates and provides students with opportunities to soar in a society with PRIDE.

## *Vision Statement*

The vision of Palmerton Area School District is to educate and prepare all students for success in a globally competitive society. This shall be accomplished through activities that enhance their social, mental and physical well-being.

## *Shared Beliefs*

We believe....

- ✓ Each student has the ability to learn and be successful.
- ✓ Education is a shared student, parent school and community responsibility.
- ✓ All students have a right to learn in a safe and nurturing environment.
- ✓ Motivated, adaptable, and well-trained staff are critical for student achievement.
- ✓ Learning experiences will equip all students to become effective communicators, independent learners, critical thinkers and innovators who are capable of solving complex problems.
- ✓ Using technology in a responsible way aids education, and provides the opportunity for students to learn problem-solving and communication with a purpose.
- ✓ That meeting all students' needs through appropriately challenging them, and providing relevant and rigorous opportunities both inside and outside of school will allow each student to reach his/her own personal potential.



# *Palmerton High School*

## *Main Office Staff*

**Mrs. Paula Husar  
Principal**

**Mr. Andrew Remsing  
Athletic/Activities Director**

**Mrs. Terry Freed  
Secretary**

**Mrs. Jessica Cohen  
Secretary**

## *COUNSELING OFFICE STAFF*

**Mrs. Vicki McHugh  
Guidance Counselor, Class of 2020 & 2023**

**Mrs. Raquel Hoffert  
Guidance Counselor, Class of 2021 & 2022**

**Mrs. Dianne Smelas  
Secretary for Guidance/Athletics/Activities**

# PROGRAM OF STUDY

The Palmerton Area High School offers a variety of courses that will help prepare a student for his/her future endeavors. Every student must take four credits each in English, Math, Social Studies, and Science. Also, each student must take two credits in humanities and two credits in technology. The remainder of the credits required for graduation comes from a variety of elective courses.

Students planning to attend college must realize that entrance requirements vary with each institution. During their sophomore year in high school, college bound students should begin to review college catalogs and websites with their guidance counselor. It is also imperative that students continue to maximize their efforts in the subjects of mathematics, the sciences, and foreign languages to better prepare for college.

Palmerton Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, and handicap in its activities, programs, services, or employment practices as required by Title VI, Title IX, and Section 504. For information regarding civil rights, activities, and facilities that are accessible to and usable by handicapped persons, or grievance procedure, contact Suzanne Rentschler, Parkside Education Center, Palmerton, PA, 18071, 610-826-7101, the Title IX and Section 504 Coordinator for the Palmerton Area School District.

## LEVELS OF COURSE OFFERINGS

### **Honors and Advanced Placement**

Honors classes are offered in the areas of English, mathematics, science, social studies, and foreign languages. Advanced Placements (AP) courses are offered in the following subjects, AP English Literature, AP Economics, AP US History, and AP Calculus AB. These programs are designed to be very rigorous with high expectations for student achievement. Honors and AP programs are much more complex and demanding than typical college preparatory classes. Due to the workload demands of these courses, weighted grades are used to acknowledge student achievement. Students must be willing to commit a great deal of time and effort to classes at these level.

### **Dual Enrollment**

Dual Enrollment courses are offered through LCCC to provide students with an opportunity to earn college credit while still in high school. The student will receive college credit through LCCC and an elective credit through PAHS.

### **College Preparatory**

The College Preparatory curriculum is moderately paced and serves the student who requires the traditional academic preparation necessary for higher education. Students are required to analyze pieces of literature, use traditional research methods, make oral presentations and write papers. It is designed to build skills and knowledge needed for students who plan to enroll in a four-year college or university.

### **Career Ready**

These courses are offered in the areas of English, mathematics, social studies, and science. They are recommended for students who are planning some formal education beyond high school in a trade or technical school, community college, or four-year college or university. Projects, real-world applications, and career-based learning are emphasized in these courses.

**Students can take a combination of classes from the above mentioned areas. Students are not locked into taking courses from one specific track. Each year consideration can be taken to the best interest of the student.**

## **LIBRARY/MEDIA CENTER**

The Library/Media Center is the true center for student research. The Library collection contains 12,000+ books, periodicals, and other print material. The collection is maintained via an electronic database. Students can also utilize electronic resources such as Ebsco full text periodicals, several electronic encyclopedias, SIRS Researcher, Pro-Quest resources, ACCESSPA, and open source resources via the web. Personal computers are also available for students to supplement their research and complete school assignments. The library resources are available prior to the start of the school day if a pass is obtained from the librarian. The Palmerton Area High School requires students to complete a number of projects and research papers that utilize these resources.



## **POWERSCHOOL**

One of the keys to tracking and monitoring a child's academic progress is our web-based student information system, PowerSchool. This system provides registered students and their parents/guardians a way to monitor grades and attendance.

This software system also provides a means of communication for parents and teachers. Links within the system allow a parent to send e-mail messages to the appropriate course instructors. Parents can also drilldown to view each class assignment to determine if an assignment was completed and to see the subsequent grade. Attendance records for absences and tardies can identify specific dates when there were issues. Parents/guardians should contact the guidance office to obtain access to the system.

## **GRADUATION REQUIREMENTS/SUMMER CREDIT RECOVERY**

If a student does not earn sufficient credits, to meet our graduation requirements, he/she will not graduate. The Palmerton Area High School will offer a credit recovery program. Using an online software program, a student must complete a minimum number of hours of coursework to earn credit for the course. The coursework will be done at the high school and will be monitored by a teacher. Additional Information will be available through the guidance office.

\*\* Credit Recovery is not an option for all students. The final decision will be made by the guidance department and the principal of Palmerton Area Senior High School.

\*\* A student who receives an "F" as a final grade will not be given the opportunity to participate in the credit recovery program.

## **KEYSTONE EXAM INFORMATION**

The Keystone exams are end-of-course assessments mandated by the Commonwealth of Pennsylvania for all students seeking to graduate from public high schools. The exams are designed to evaluate proficiency in Algebra I, Biology, and Literature. The Keystone exams are administered during a state-directed window in the winter and spring of each school year. Proficiency on these tests is a component of the Commonwealth's high school graduation requirement beginning with the Class of 2020.



# MINIMUM STANDARDS FOR GRADUATION

## *Standard Diploma*

The following requirements apply to all students seeking to graduate from Palmerton Area High School. Depending on the student's career path, the student is permitted to make relevant selections within the academic and elective areas.

Students considering attending a more competitive four-year college should review the entrance requirements of that particular school when making course selections. Students should meet with their guidance counselor to discuss their future plan to make an informed decision about their courses.

<b>Academic Area</b>	<b>Required Credits</b>
English	4
Math	4
Science	4
Social Studies	4
Humanities (Art/PE/Health & Music/PE/Health)	2
Humanities Elective	1
Computer Technology	2
Electives (Including World Language*)	7
Total Academic Credits	<b>28</b>
<b>Total Required</b>	<b>28</b>

\*Development of the well-rounded student is a goal of our school. Taking a variety of electives can help a student find interests that could lead to a career path. We encourage students to take foreign language, but it is not a requirement to graduate.

\*All students planning to attend a four year college should take a minimum of two years of the same foreign language. Depending on the student's post-secondary choice, a third and/or fourth year of the language should be taken.

## *Diploma with Distinction*

Students considering attending a more competitive four-year college should review the requirements of a "Diploma with Distinction." Students must maintain a Cumulative Grade Point Average of 3.5, and graduate with a total of 33 credits. Depending on the student's career choice, the student can make different selections within the academic and elective areas.

# COURSE RECOMMENDATIONS

## *9<sup>th</sup> Grade Core Subjects*

<b>English</b>	English 9 CP English 9 Honors English 9	<b>Science</b>	Natural Science Honors Natural Science
<b>Mathematics</b>	Integrated Algebra I Algebra I Algebra II Honors Algebra II	<b>Technology</b>	Computers for Today Computer Applications I
<b>Social Studies</b>	American History Since 1900 CP American History Since 1900 Honors American History Since 1900	<b>Humanities</b>	PE/Health/Art

## *10<sup>th</sup> Grade Core Subjects*

English	English 10 CP English 10 Honors English 10	Science	Fundamentals of Biology Biology Honors Biology
Mathematics	Algebra II Integrated Algebra II Geometry Honors Geometry	Technology	Computer Information Processing Computer Applications I Computer Applications II
Social Studies	American Gov. & Recent US History CP American Gov. & Recent US History Honors Amer. Gov. & Recent US History	Humanities	PE/Health/Music

## *11<sup>th</sup> Grade Core Subjects*

English	English 11 CP English 11 Honors English 11	Science	Chemistry I Honors Chemistry I Concepts of Physical Science
Mathematics	Geometry Integrated Geometry Algebra III/Trigonometry Honors Algebra III/Trigonometry Pre- Calculus Honors Pre-Calculus	Technology	Computer Applications I Computer Applications II Computer Information Processing
Social Studies	World Geography and Cultures CP Honors World History CP World Geography and Cultures		

## *12<sup>th</sup> Grade Core Subjects*

English	English 12 CP English 12 AP English Literature	Science	Physics Environmental Science Honors Physics I
Mathematics	Concepts of Algebra Algebra III/Trig Pre-Calculus AP Calculus Probability and Statistics	Technology	Computer Applications I Computer Applications II Computer Information Processing
Social Studies	Economics CP Economics AP Economics		

# REGISTRATION INFORMATION

## **GUIDELINES FOR A SCHEDULE CHANGE**

A scheduled class cannot be dropped without appropriate extenuating circumstances. It is very important to discuss course selections with the teacher of the offered course to determine if selection is right for the student. Students have the opportunity to meet with their guidance counselor throughout the school year.

Any student who fails a major subject during the first semester should see his/her guidance counselor to review possible adjustments to their second semester schedule.

The course selection process can be a complex decision-making experience. Students are encouraged to confer with parents, counselors, and teachers to take full advantage of the excellent opportunities available within the high school academic program. The high school is committed to providing an academic program that meets the needs of the individual student. Teachers and counselors will review the course selections for the students and advise them of an appropriate academic program of studies. Teacher recommendations are valued in helping to guide the student through the correct course sequence as well as identifying the appropriate course level. Counselors will meet with each student to review the entire academic schedule and to track graduation requirements. As a team, the student, parents, teachers, and counselor will work together to select a challenging and appropriate academic program of studies for each pupil at the Palmerton Area Senior High School.

# GRADING PROCEDURES

## **STUDENT REPORT CARDS**

The school year at Palmerton High School is divided into two (2) semesters. Each semester will have three (3) rating periods. Therefore, three (3) report cards will be issued per semester. The third report card of each semester will show final grades and credits earned.

## **WEIGHTED GRADES**

Courses designated as either honors or advanced placement will receive weighted grades. The grades are weighted as the academic expectations for students taking these classes are greater. *The weighted grades will be used for Grade Point Average calculations, Class Rank, and Honor Roll.*

**HONORS COURSES WILL BE WEIGHTED AS 1.1  
ADVANCED PLACEMENT COURSES WILL BE WEIGHTED AS 1.1**

# DUAL ENROLLMENT

**The Pennsylvania Dual Enrollment Program** allows school districts to partner with eligible post-secondary partners to offer high school juniors and seniors the chance to earn college credit while completing their high school requirements. Students must carry at least 4 classes per semester. This can be a combination of PHS and LCCC classes.

Dual enrollment, referred to as "concurrent enrollment" in the School Code, is a locally administered program. Palmerton Area School District (PASD) has entered into a Dual Enrollment partnership with Lehigh Carbon Community College (LCCC). Students will be responsible for tuition and textbook fees.

A summary of enrollment eligibility requirements is listed on the next page; for complete information go to [www.palmerton.org](http://www.palmerton.org).

## DUAL ENROLLMENT ELIGIBILITY REQUIREMENTS

1. You are a high school senior or junior.
2. You are making satisfactory progress toward fulfilling Palmerton Area School District graduation requirements. Satisfactory progress will be determined by the following:

**Classroom courses:** The school district will determine satisfactory progress based on credits earned and teacher recommendation to the dual enrollment course.

**Online courses:** The school district will determine satisfactory progress based on credits earned and a cumulative GPA of 3.00 or better at the time of your application to the dual enrollment program.

3. You demonstrate readiness for college-level classes by meeting course eligibility and pre-requisites as determined by LCCC.
4. You demonstrate acceptable behavior as shown on your disciplinary record. If you have had prior suspensions or are on a Level II of the disciplinary code, you may not be eligible.
5. You may not be on or have been on, in the past year, a PASD attendance contract with school administration. You cannot have received a 6-day or beyond attendance letter.
6. LCCC courses cannot be substituted for any Palmerton High School graduation required course.
7. You must maintain a 2.0 GPA at LCCC. Failure to meet the 2.0 GPA will render you ineligible from further participation in the program.

**NOTE:** Students taking an on-line class or classes at LCCC are only required to be at Palmerton High School for their required high school courses. Students taking a course taught by an LCCC professor at the high school are only required to be at the high school on days that course meets. DE students with signed permission slips are expected to leave the high school when they do not have classes scheduled.

# CARBON COUNTY TECHNICAL INSTITUTE

CCTI (Carbon County Technical Institute) is a comprehensive career and technical high school, providing both academic and career education for students in grades 10, 11, and 12. Students enrolled at CCTI will learn the skills necessary to be successful in a career or technical field, and experience academics as an important foundation for a successful career. The goal of CCTI is to provide first-rate career and technical training, valuable academics, and hands-on experience that will offer the first steps to a rewarding career. Upon completion of their coursework students will be issued a diploma from CCTI. Further information can be found at [www.carboncti.org](http://www.carboncti.org).

Students who attend CCTI are still eligible to play sports for PAHS. Transportation is arranged as needed.

For a student to attend CCTI they must complete an application which is available in the guidance office. They must also earn six credits as a freshman at PAHS, the English, math, science and social studies must be earned with 2 additional credits.

The list below indicates the technical areas offered at CCTI.

## CCTI TECHNICAL AREAS

- ✓ Auto Body Collision and Repair Technology
- ✓ Auto Service and Technology
- ✓ Carpentry
- ✓ Computer Engineering Technology
- ✓ Cosmetology
- ✓ Culinary Arts
- ✓ Drafting and Design Technology/Technician
- ✓ Electrical Distribution and Automation/Electrician
- ✓ Electronics Communication Engineering Technology
- ✓ Graphic Design
- ✓ Health/Medical Assistant/Aide
- ✓ Heating, Ventilation, Air Conditioning & Refrigeration
- ✓ Marketing/Distributive Education
- ✓ Precision Machine Technology
- ✓ Welding

# CCTI POSTSECONDARY OPPORTUNITIES

Students can earn FREE college credits while attending CCTI. CCTI has partnered with post secondary institutions, providing articulation credits (college credits).

## **Articulation Credit**

An articulation credit allows high school students to receive college credit for technical courses they completed while in high school. The articulation process eliminates the need for duplication of courses at the college level, so students can seamlessly continue their education in a related program at postsecondary institution. Our technical programs are organized so that students may choose from a variety of post-secondary options, including technical or business schools, community college, or a four-year college program. Having earned articulation credits will save time and money. Articulation credit is absolutely FREE. Articulations Credits are received through an agreement between CCTI and a post secondary institution. CCTI currently has Articulation Agreements with: Lehigh Carbon Community College (LCCC), Northampton Community College, Pennsylvania College of Technology, Johnson & Wales University, Universal technical Institute, and many more.

We encourage you to examine the following websites relating to articulation credits and career resources: PATrac.org, PACareerStandards.com. PACareerZone.org, GettingThemThere.com and PACollegeTransfer.com



# ACADEMIC COURSE OFFERINGS

*Course descriptions are listed alphabetically by subject. All courses meet 5 Blocks per week and 1 credit is earned upon successful completion, unless otherwise noted. Certain courses have additional requirements/prerequisites—please consult the course descriptions below for more details.*

## ART

**GRADE 9 ART:** Students in 9<sup>th</sup> grade basic art participate in a variety of projects based on the elements and principles of art and design. Students will have the opportunity to use (with teacher approval) their own subject matter for the assigned projects and will use a variety of different mediums including drawing, pen and ink and painting.

**811-INTRODUCTION TO GRAPHIC ARTS (GRADES 10-12):** Students in 10<sup>th</sup>-12<sup>th</sup> grade may choose to take Introduction to Graphic Arts. This course is designed to inform students of various uses of graphic arts within our everyday lives. Students will design 2D and 3D projects using the various mediums available. Students will have access to computers for ideas and images but layouts and projects will be done by hand. Students who are considering pursuing any type of art related career are advised to include 1 semester of graphic arts in their course sequence. Prerequisite: 1 Semester of Advanced Art

**840-ADVANCED ART (GRADES 10-12):** Students in 10-12<sup>th</sup> grades may choose to take Advanced Art. The course is comprised of **self-motivated** students who want to improve their skills and welcome a challenge to their existing abilities. Students will have the option of working in pencil, colored pencil, pastels, pen and ink, acrylic, watercolor and oil; however, some assignments will have specific requirements. There is also a 3D clay requirement.



## BUSINESS/TECHNOLOGY EDUCATION

All students are required to take two credits in technology to fulfill the graduation requirement. The first course will be taken in the 9<sup>th</sup> grade year, and the second course may be taken at any time during grades 10, 11, or 12. Waiting until the 2<sup>nd</sup> semester of the senior year is not recommended.

### BUSINESS

**605 PERSONAL FINANCE (Grades 9-12):** This course is designed to cover topics that impact teenagers now and in the future in order for them to make educated financial decisions now and throughout their lives. The course content keeps up with the ever changing economic issues and provides exposure to many different areas that are vital to a students' economic success. Topics include Career Exploration, Checking and Savings Accounts, Investments with an emphasis on the Stock Market; Income Tax Preparation; establishing and maintaining Credit; Insurances with an emphasis on Car Insurance; Permit and Driving Laws; Household Budgets; and an introduction to Entrepreneurship coupled with a class project.

**621-ACCOUNTING I (Grades 10-12):** Accounting I emphasizes basic terminology, principles, and concepts of accounting for use in sole proprietorships, merchandising businesses, and corporations through the use of classroom activities, problem solving, and computer work. High achievement in Accounting I will prepare the student for an introductory accounting course in college.

**630-ACCOUNTING II (Grades 11-12):** Accounting II is an advanced course open to the student who has successfully completed Accounting I. This course delves into advanced accounting concepts used in partnerships, departmentalized businesses, and corporations. Utilization of educational accounting software will be used which afford the student a real-life accounting experience. **PREREQUISITE: Accounting I**

**640-CAREER ESSENTIALS (Grades 11-12):** Students will learn the career employment process and complete a career portfolio. Employee skills such as teamwork, problem solving, communication, and performance evaluations will be taught. Banking, taxes, credit and budgeting will be covered. Students will be given written assignments and deliver PowerPoint presentations.

## TECHNOLOGY

The goal of the technology sequence is to place students in courses where they have the opportunity to be successful and maximize their individual growth. The Business Department will determine the best placement for incoming 9<sup>th</sup> grade students and assist them in determining the best option for their 2<sup>nd</sup> credit to help achieve this goal. The courses listed as Grade 9 indicates that 9<sup>th</sup> graders may take the course; however, they are not exclusive to 9<sup>th</sup> graders.

**601-COMPUTERS FOR TODAY (Grade 9):** Teacher recommendation is required for this course which is designed to reinforce keyboarding techniques and develop introductory word processing skills. Students will continue developing skills in preparing letters, tables, resumes, flyers and MLA style reports using Microsoft Word. An introduction to other Microsoft Office components (Excel, and PowerPoint) may be provided. **PREREQUISITE: TEACHER RECOMMENDATION**



**610-COMPUTER INFORMATION PROCESSING (Grade 9):** The course objective is to provide an in-depth study of Microsoft Word 2013. Students will prepare standard office documents, web forms, reports, and resumes/cover letters. The students will be expected to work efficiently and utilize good keyboarding and proofreading skills. This class is an elective unless enrollment is recommended by the business department; however, if recommended, it meets the graduation requirement for 1 of 2 technology credits. **PREREQUISITE: TEACHER RECOMMENDATION IF USED FOR GRADUATION REQUIREMENT**

**615-INTRODUCTION TO COMPUTER SCIENCE (GRADES 10-12):** This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. The primary language for the course is Python. The course will consist of video lectures, daily programming exercises, longer coding assignments, regular quizzes, projects and exams. Students will also participate in online discussion forums. There are no prerequisites for this course.

**651-COMPUTER APPLICATIONS I—OFFICE 2013 (Grade 9):** This course will include an in-depth study of Microsoft Word (word processing), Excel (spreadsheets), Access (database), and PowerPoint (presentation software). These programs are useful for personal, academic (high school and college), and employment purposes. This class meets the graduation requirement for the 1<sup>st</sup> technology credit. **PREREQUISITE: TEACHER RECOMMENDATION**

**652-COMPUTER APPLICATIONS II—OFFICE 2013 (Grades 10-12):** This course will cover the advanced features of Word, Excel, Access and PowerPoint—key components of Microsoft Office 2013. It is a continuation of the concepts learned in Computer Applications I, and will solidify the skills needed in many areas of today's workforce and higher learning institutions. The advanced features of Excel are especially important for students considering careers involving math and/or science. **PREREQUISITE: SUCCESSFUL COMPLETION OF COMPUTER APPLICATIONS I**



# ELECTRONICS

**730 - INTRODUCTION TO ELECTRONICS ENGINEERING (Grades 9-12)**: This course addresses the electrical knowledge required by engineers who need an understanding of electrical circuits, components, and wiring, as well as the mathematical analysis involved. The curriculum is organized in three sections:

Fundamentals of AC/DC: Fundamentals Principles of electricity, including voltage, current, resistance, conductors and insulators, electromagnetism; Electric Components including resistors, capacitors, inductors, series circuits, parallel circuits, series-parallel circuits

Basic Electronics: Advanced electric components including transistors, amplifiers, oscillators, op-amps, and logic gates” PICmicro Microcontroller.

Motors and Generators – Motor Principles, Generator Principles, and Motor Speed Control

This course is suitable as a practical and theoretical introduction to electrical engineering for a wide range of college and university engineering courses. It can be used in a wide variety of subject areas including Science, Engineering, Electronics, Automotive, and Technology. Based on level of achievement during the course, the student may have the opportunity to obtain Industry Recognized Certification(s). Certifications that may be earned: DC Technician, AC Technician or SET (Student Electronic Technician)

# ENGLISH

A student must elect one of the English courses listed each year. Additional options in English may be selected from the elective options.

**Academic/Honors/Advanced Placement**: Designed specifically to prepare students for continuing education beyond high school, the academic sequence stresses the appreciation of our cultural heritage and seeks to impart a high level of proficiency in reading, writing, and speaking to students whose verbal and written abilities are above average. Within the academic curriculum exists an honors program to further challenge and enrich those students who meet the established criteria for acceptance. (See course descriptions.)

**Career Ready Sequence**: Designed specifically for students considering a career in business or a vocational career. (See course descriptions.)

**100-CP ENGLISH 9**: This course includes a review of grammar and usage, vocabulary, practice in composition and speech, and a study of representative poems, short stories, a play, and a novel. Students will also write a research paper. This course will incorporate guided reading instruction and application of Keystone Exam standards.

**101-HONORS ENGLISH 9**: The Honors English 9 program is designed to challenge students academically who meet the criteria for this course. The curriculum includes the study of grammar and mechanics, vocabulary, composition, speech, and major literary genres, including the short story, poetry, drama, and the novel. Students will also prepare a five-page research paper. This course will also incorporate application of Keystone reading standards. The material presented is more demanding in quality and quantity than the material in the other ninth grade English courses. **This is a *weighted* course. Qualifications: Recommendation from 8<sup>th</sup> Grade English Teacher.**

**102-ENGLISH 9**: This course includes the study of basic grammar and usage, composition, speech, and vocabulary. Students will also study several selections of literature including short stories, poetry, plays and a novel. This course will also incorporate guided reading instruction and application of Keystone reading standards.

**110-ENGLISH 10:** This course includes the study of American Literature, basic grammar and composition, research writing, speech, and vocabulary. Students will also study several literary selections. This course will also incorporate guided reading instruction and application of Keystone reading standards.

**111-CP ENGLISH 10:** This course includes the study of American Literature, grammar and mechanics, composition, research writing, speech, and vocabulary. This course will also incorporate guided reading instruction and application of Keystone reading standards.

**112-HONORS ENGLISH 10:** The Honors English 10 program is designed to challenge and enrich students who meet the entrance criteria for the course. The curriculum for Honors English 10 includes the study of American Literature, grammar and mechanics, composition, research writing, speech, and vocabulary. This course will also incorporate application of Keystone reading standards. The material presented in this course is more demanding in quality and quantity than the material in other sections of English 10. **This is a *weighted* course.**

#### **QUALIFICATIONS FOR ACCEPTANCE INTO HONORS ENGLISH 10:**

1. Students must have a minimum of an 85 (B) yearly average in Honors English 9 or a 93 (A) average in CP English 9.
2. Students must submit, on or before an established deadline, an expository essay on a topic determined by the English Department each year.
3. Students must be recommended for the program by their 9<sup>th</sup> grade English teacher.

**120-ENGLISH 11:** Specifically for students concentrating in business or vocational careers, the sequence seeks to impart a high degree of proficiency in English grammar, writing skills, and public speaking skills. Students will also study literature from *My Perspectives World and British Literature Vol I*, including Shakespeare's *Macbeth* and a novel.



**121-CP ENGLISH 11:** This course includes the study of English literature from *Beowulf* to the end of the 19<sup>th</sup> century, with particular emphasis on Shakespeare. A unit on the English novel will include *The Time Machine* by H. G. Wells. Grammar and mechanics, composition, research writing, speech, and vocabulary will also be taught throughout the course.

**122-HONORS ENGLISH 11:** - The Honors English 11 program is designed to challenge and enrich students who meet the entrance criteria for the course. The curriculum for Honors English 11 includes English Literature and the English novel. Grammar and mechanics, composition, research writing, speech, and vocabulary will also be taught throughout the course. The material presented in this course is more demanding in quality and quantity than the material in other sections of English 11.

**This is a *weighted* course.**

#### **QUALIFICATIONS FOR ACCEPTANCE INTO HONORS 11 ENGLISH:**

1. Students from Honors English 10 must have a minimum of an 83 (B) yearly average; those from College Preparatory English 10 must have a minimum of a 90 (A-) average.
2. Students must be recommended for the program by their 10<sup>th</sup> grade English teacher.
3. Students from College Preparatory English 10 must submit, on or before an established deadline, an expository essay on a topic determined by the English Department each year.

**130-ENGLISH 12:** Specifically for students concentrating in business or vocational careers, the sequence seeks to impart a high degree of proficiency in English grammar, writing skills, and public speaking skills. Students will also study literature from *My Perspectives World and British Literature Vol II*, including Shakespeare's *Hamlet* and a novel.

**131-CP ENGLISH 12:** The College Preparatory English 12 course, as its name suggests, is designed to prepare students for college courses in which they will have to read and write well. The demands are not as high as in the AP course, but this is still a demanding course that requires commitment and dedication from each student. Even those students not planning to go directly to college will benefit from the course work and from the opportunity to read and write.

**132-ADVANCED PLACEMENT ENGLISH 12:** The Advanced Placement (AP) English course is designed to allow talented and ambitious students to reach two specific goals. First, the AP English 12 course leads to the taking of the Advanced Placement Test in Literature and Composition for a senior who can benefit from the test. Students interested in the test are encouraged to contact their prospective colleges and to discuss the test with the teacher of AP English 12 to determine whether or not the test will be useful in their individual circumstances.

The other goal satisfied by AP English 12 is built into the course, itself. A most demanding course, designed for the highest level English students, the course requires substantial reading and writing, and it rewards students by preparing them for the rigors of college-level study, a point often taken into consideration by college admissions officers. **This is a *weighted* course.**

#### **QUALIFICATIONS FOR ACCEPTANCE INTO AP ENGLISH 12:**

1. Students from Honors English 11 must have a minimum of an 83 (B) yearly average; those from College Preparatory English 11 must have a minimum of a 90 (A-) average.
2. Students must be recommended for the program by their 11th grade English teacher.
3. Students from College Preparatory English 11 must submit, on or before an established deadline, an expository essay on a topic determined by the English Department each year.

## **ENGLISH ELECTIVES**

**142-COMPARATIVE MYTHOLOGY (GRADES 10-12):** Students in Comparative Mythology will explore the continued impact of mythology on modern life through the study of myths from around the world, the connection to archetypal myths, and the hero cycle. Students will also study the epic genre through *The Epic of Gilgamesh*, the *Odyssey*, and *The Star Wars Universe*. Students will read *The Hobbit*. This is not a college level course, but does involve college level reading and comprehension skills.

**143-CREATIVE WRITING (GRADES 11-12):** This is a course for anyone who wants to write beyond the standard curriculum. Creative writing includes short stories, poetry, dramatic scripts, and nonfiction. Students will work closely with the teacher and will be required to revise and edit their own works. This class is open to 11<sup>th</sup> and 12<sup>th</sup> grade students.

**151A-INTRODUCTION TO MEDIA COMMUNICATIONS (GRADES 11-12):** This is a college level course, open to 11<sup>th</sup> and 12<sup>th</sup> grade students, offered with Dual Enrollment options through Lehigh Carbon Community College.

This course provides a basic understanding of the theories, events, and technologies that enabled electronic media to impact society. Students will become familiar with the concepts and terminology of various media industries. Discussion and study of the latest in communication technology and current issues will prepare students for career choices in these industries. (See instructor for more details.)

**Three college credits are earned. NOTE: Tuition will be charged.**

**195-SPEECH COMMUNICATION/DUAL ENROLLMENT (GRADES 11-12):** This is a college level course, open to 11<sup>th</sup> and 12<sup>th</sup> grade students, offered with Dual Enrollment options through Lehigh Carbon Community College.

This is an introductory course in the art of public speaking. The communication process is examined as a basis for developing the communication skills needed for becoming an effective speaker both in the classroom and in the real world. Speech preparation strategies, delivery methods, language, and visual aid use are studied. Preparation and delivery of a wide variety of speeches are central to the course. Developing strong communication skills for life and fostering confidence in one's speaking capabilities are reinforced.

**Three college credits are earned. NOTE: Tuition will be charged.**



## **HUMANITIES/PHYSICAL EDUCATION/HEALTH**

### **901-HUMANITIES 9 – ART/PHYSICAL ED./HEALTH:**

Art: The student is exposed to the six basic elements of design, line, shape, and value, to allow the students to experiment with as many media as possible within the time frame. This fundamental course centers on materials and media usage, with numerous projects culminating with a year end art exhibition of quality works.

Health: In this course students will become reflective and deliberate decision makers when it comes to situations involving human sexuality and wellness. Students will understand and respect the different ideas and values presented to them throughout the course. Students will recognize the types of pressures placed on adolescents to participate in sexual activity and understand the physical, mental/emotional, and social impact of such behavior. Furthermore, students will demonstrate several types of refusal skills in relation to sexual activity.

Physical Education: A variety of team activities will be offered on a seasonal basis. Outdoor games in the spring and fall stress participation, skill, sportsmanship and team play. The winter portion of the program will emphasize volleyball and indoor games.

### **902-HUMANITIES 10 – MUSIC/PHYSICAL ED./HEALTH:**

Health: Topics covered in this course are; Mental Health, Suicide Awareness, Prescription Drug Use/Abuse, Over The Counter Drug (OTC) Use/Abuse, Tobacco/Nicotine products including E-cigarettes/Vaping, Alcohol Abuse, and Illegal Drug Abuse. Students will examine the impact that these topics have on individuals as well as society as a whole. Students will develop confidence when dealing with these topics in order to make lifelong positive decisions.

Physical Education: A variety of team activities will be offered on a seasonal basis. Outdoor games in the spring and fall stress participation, skill, sportsmanship and team play. The winter portion of the program emphasizes volleyball and indoor games.

Music: The students will be introduced to various components of music to build an appreciation of music in their lives. An overview of various aspects of music relevant to today's youth is presented. Music of our culture and other cultures will be examined. Focus will also be placed on developing perceptive listening skills.

**904-ANATOMY/PHYSIOLOGY (GRADES 11-12):** Anatomy and Physiology is an intensive elective course. The purpose of this course is to give students a more thorough look into the systems of the body. Not only do students become familiar with the anatomical names, but also the physiological processes that are involved. Anatomy and Physiology is an essential elective for those seeking a career in the medical sciences. It is strongly recommended that students wishing to enroll have no lower than a B in any, and all, science courses. **This is an elective course that does not count as a science credit.**

**905- LIFE FITNESS (GRADES 11 & 12):** This full semester elective course will stress developing student understanding in fitness, training and diet. In addition, students will develop personal fitness plans addressing specific needs based on a pre-test of their personal fitness results. Assessment of student progress will involve written as well as physical results. This course is intended for those students interested in the sport and fitness related fields.

## INDUSTRIAL TECHNOLOGY

**700-INTRO TO WOODWORKING:** This course will introduce students to basic woodworking through a hands-on approach. Students will learn to safely and efficiently use a variety of power machinery and hand tools while creating individual wood projects. Students will complete 1-2 introductory projects per marking period. Each project will focus on building upon the skills learned from the previously constructed assignment. Students will be able to plan and create a final project of their choice, upon approval of the instructor. Students who have successfully completed the course should leave the semester experience feeling comfortable and confident about safely using basic wood working machinery.



**715-INTRODUCTION TO COMPUTER AIDED DRAFTING:** This course introduces students to the basic concepts of computer-aided modeling and design through the Solidworks modeling program. This course will provide students with an introductory knowledge of solid modeling software and graphical representation. Students will develop problem-solving skills while they cover the basic building blocks of engineering design to create 2D sketches and 3D models. Students will also become familiar with the laser engraver, computer operated router, and use of prototypes and to-scale models. Students will have the opportunity to create LED, laser engraved signs, catapults and other hands-on design projects. As a final project students will design, build, and test working hovercraft designs. Successful designs will lift and move students through the use of high horsepower leaf blower motors and other materials sourced by the students.

## MATHEMATICS

**The Math Department strongly recommends that every student take at least one math class each year to successfully prepare for math placement tests, SAT's, ACT's, 4- and 2-year colleges, trade schools, etc.**

### **INTEGRATED MATH SEQUENCE**

**This course sequence is recommended for students who are planning to attend a 2-year college, technical school, or enter the workforce. The student must successfully complete each course to progress through the sequence. Failure to successfully complete a course will result in the student repeating the course.**

**403/404-INTEGRATED ALGEBRA IA/1B:** This is a year-long course that covers the foundation of Algebra and Algebra I topics. The course provides a strong foundation for future courses in algebra and geometry. Algebraic concepts and reasoning are developed through equations and inequalities by a continuing arithmetic review of foundation knowledge of mathematical concepts in the rational number system. Use of percents, decimals, fractions, along with the use of variables are studied and reviewed for understanding and preparation for Integrated Algebra IB. Additional concepts covered will be functions, linear systems, quadratic equations, factoring, polynomial and polynomial functions, radical functions, and rational exponents. ***UPON SUCCESSFUL COMPLETION OF THE COURSE THE STUDENT WILL RECEIVE 2 CREDITS.***

**415-INTEGRATED ALGEBRA II (Grade 10):** This course is designed to strengthen basic Algebra I skills and extend the student's knowledge in new areas. Topics will include the basics of rational, radical, exponential, logarithmic and polynomial expressions and equations.

**422-INTEGRATED GEOMETRY (Grade 11):** This course includes a review of basic geometric concepts learned in earlier courses. Students will learn to recognize and work with geometric concepts in various contexts. They will develop their understanding of plane and solid geometry in the coordinate plane. Students will find surface area and volume of three dimensional figures and relate them to the use of transformations. Topics of study include points, lines, angles, triangles, right triangles, quadrilaterals and other polygons and circles. Projects and hands on activities are a component to this course.

**424-CONCEPTS OF ALGEBRA (Grade 12):** This course has emphasis on further development of Algebra, number theory, and problem solving skills. It also covers new topics in consumer/financial math and set theory.

## **COLLEGE PREPARATORY SEQUENCE**

**This course sequence is recommended for students who are planning to attend a 2 or 4 year college.**

**408/409-ALGEBRA I:** Algebra I is a year-long course comprised of two consecutive courses--Algebra Course I will be taken during the first semester, and immediately followed by Algebra Course II in semester two. The topics covered include linear and quadratic equations, inequalities, functions, graphs, systems of equations and inequalities, polynomials, exponents, radicals and rational expressions. **This is a two credit course.**

**412-ALGEBRA II:** This course is a continuation of Algebra I. Material covered includes work with linear systems, quadratic functions, polynomial functions, radical functions, rational exponents, exponential and logarithmic functions. ***PREREQUISITE: Successful completion of Algebra I***

**421-GEOMETRY:** This course includes a quick review of basic geometric concepts learned in earlier courses. Students will learn to recognize and work with geometric concepts in various contexts. They will develop their understanding of plane and solid geometry in the coordinate plane and build on ideas of inductive and deductive reasoning, logic, concepts, and techniques to develop a better understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students will find surface area and volume of three dimensional figures and relate them to the use of transformations. Topics of study include points, lines, angles, triangles, right triangles, quadrilaterals and other polygons and circles. Projects and hands on activities are a component to this course. ***PREREQUISITE: Successful completion of Algebra II***

**432-ALGEBRA III & TRIGONOMETRY:** This course is for the college bound student. It is a continuation of the study of Algebra in problem solving, functions and graphing. It also provides a thorough study of the fundamentals of Trigonometry necessary for Pre-Calculus. This course covers a large amount of the math that is included on the SAT, so it is helpful in preparation for that test. ***PREREQUISITE: Successful completion of Geometry.***

**430-PRE-CALCULUS:** This course is designed for the college bound student who has shown exceptional understanding in Algebra, Trigonometry and Geometry. This course will include a further study of Trigonometry, Analytic Geometry, limits, continuity and an introduction to derivatives. It is intended to prepare the student for Calculus. ***PREREQUISITE: Successful completion of Algebra III/Trig***

**426-CALCULUS:** This course is for the student who has pursued the honors (accelerated) and/or college preparatory math program and has the desire to learn introductory concepts in Calculus in preparation to succeed in college Calculus I. Material covered will include an introduction to functions, graphs, limits, derivatives, integrals, applications of derivative and integrals, and the use of technology throughout the course. The course will be taught at a pace for students to understand beginning calculus concepts in material covered.

**437-PROBABILITY AND STATISTICS (Grades 11 & 12):** This course is designed to introduce students to concepts of Probability and Statistics. Students will explore the different types of statistics, basic concepts of probability, distribution, correlation and regression, hypothesis testing, and confidence intervals. **PREREQUISITE: 83% or better in Algebra II**

## **ACCELERATED HONORS SEQUENCE**

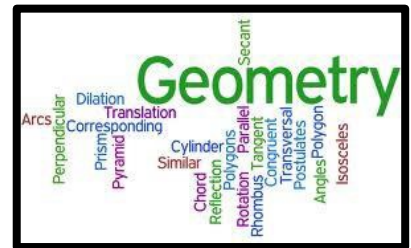
**These courses are designed for the exceptional math student. In order to qualify for these courses the student must meet the qualifications listed below.**

### **QUALIFICATIONS FOR ACCEPTANCE INTO HONORS LEVEL MATH COURSES:**

1. Prerequisite from a previous honors course:
  - 90% in Grade 8 Algebra I to qualify for Honors Algebra II
  - 87% in Honors Algebra II to qualify for Honors Geometry
  - 87% in Honors Geometry to qualify for Honors Algebra III/Trig
  - 87% in Honors Algebra III/Trig to qualify for Honors Pre-Calculus
  - 87% in Honors Pre-Calculus to qualify for AP Calculus

**402-HONORS ALGEBRA II:** This course includes extended work with linear systems, quadratic/polynomial functions, radical functions, rational functions, exponential functions, logarithmic functions and rational exponents. Students are expected to be motivated to learn mathematics at an accelerated pace and at a more challenging level. **This is a 1 credit, *weighted* course.**

**413-HONORS GEOMETRY:** This course includes a quick review of basic geometric concepts learned in earlier courses (on their own). Students will learn to recognize and work with geometric concepts in various contexts. They will develop their understanding of plane and solid geometry in the coordinate plane and build on ideas of inductive and deductive reasoning, logic, concepts, and techniques to develop a better understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry, including coordinate proofs. Students will find surface area and volume of three dimensional figures and relate them to the use of transformations. Topics of study include points, lines, angles, triangles, right triangles, quadrilaterals and other polygons and circles. Projects and hands on activities are a component to this course, along with high expectations, as they relate to rigor and a higher order of thinking. Students will be challenged with open ended questions. **This is a 1 credit, *weighted* course.**



**423-HONORS ALGEBRA III/TRIGONOMETRY:** This course is an optional step in the Honors math sequence. This course is a continuation of the study of Algebra in problem solving, work with functions and graphing. It also provides a complete coverage of the fundamentals of Trigonometry that are necessary for Pre-Calculus. The student will be challenged by accelerated pace more advanced problems. This course covers a large amount of the math that is included on the SAT so it is helpful in preparation for that. For the student who needs to strengthen Algebra skills and get a more solid foundation in Trigonometry before entering Honors Pre-Calculus. **This is a 1 credit, *weighted* course.**

**425-HONORS PRE-CALCULUS:** This course is for the student who has pursued the accelerated math program and has the desire to study higher mathematical concepts at an accelerated pace and at a more challenging level. It includes a further study of Trigonometry, Analytic Geometry, limits, continuity and an introduction to derivatives. It is intended to prepare the student for AP Calculus. **This is a 1 credit, weighted course.**

**434-AP CALCULUS:** This course is for the student who has pursued the honors (accelerated) math program and has the desire and demonstrated the ability to study higher mathematical concepts. The goal of the course is to prepare the student for the AP Calculus A/B Test. Material covered includes an in-depth understanding of functions, graphs, limits, derivatives, integrals, applications of derivative and integrals, and the embedded use of technology throughout the course. The course will be taught at an accelerated pace to prepare the student for the AP Calculus A/B Test. **This is a 1 credit, weighted course.**

## SAT PREPARATION

**198 - SAT Prep** – This is a full semester course, that will be made up of 45 days of SAT Critical Reading and 45 days of SAT Math preparation. The goals of this course are to prepare students to take the SAT for college entrance and to help improve the SAT score for students who have already taken it.

The Critical Reading portion of this course will include the following:

1. Test-taking strategies and approaches with reading passages, vocabulary & grammar
2. Improve reading comprehension, develop strategies while reading and answering questions
3. Build your college level vocabulary, including roots, prefixes and suffixes
4. Develop time management skills to pace yourself during the test

The Math portion of this course will include the following:

1. Test-taking strategies and approaches to solving different types of problems
2. Review and practice of algebra, geometry, trigonometry and data/statistical analysis
3. Practice problems and sample math subject tests
4. Best/appropriate use of the graphing calculator.

At a minimum, the student must have already taken Algebra II and Geometry

**This course is a 1 credit, elective course.**

## SCIENCE

Students may accelerate (take 2 sciences in one year) in science provided they have satisfactorily completed the previous science course and have sufficient mathematics credits.

**500-EARTH AND SPACE SCIENCE:** This course is an overall view of the perspective of the earth's place in the universe and the dynamic force in continuous action on and within the planet which are constantly changing its personality. Areas of study include geology, diastrophism, meteorology, astronomy, oceanography, and geologic history. The course emphasizes the student's understanding of the real world surrounding his everyday life. ***This class is 1 elective credit***



**504-NATURAL SCIENCE:** This 9<sup>th</sup> grade course is designed to provide a foundation in biology, chemistry, and physics--courses our students will take in grades 10-12. Students will enhance their basic math, problem solving, and computer skills, while acquiring an idea of what to expect in their upper level science classes. Areas of study will include matter, energy, forces, motion, ecology, and the environment. This course, along with biology, will provide the necessary preparation for the Biology Keystone exam taken in 10<sup>th</sup> grade.

**505-HONORS NATURAL SCIENCE:** This is an accelerated course designed to provide a foundation in biology, chemistry, and physics, courses our students will take in grades 10-12. Students will enhance their



math, problem solving and computer skills, while acquiring an idea of what to expect in their upper level science classes. Areas of study will include matter, energy, forces, motion, ecology, and the environment. This course, along with biology, will provide the necessary preparation for the Biology Keystone Exam taken in 10<sup>th</sup> grade. ***This is a weighted course. PREREQUISITE: STUDENTS SHOULD HAVE COMPLETED THEIR ALGEBRA I IN EIGHTH GRADE AND BE RECOMMENDED BY THEIR 8TH GRADE MATH AND SCIENCE TEACHERS.***

**510-BIOLOGY:** This course will acquaint students with the basic principles of living things and their surroundings. Areas of study will include (time permitting): ecology, the cell, DNA, genetics, evolution, as well as overviews of the various kingdoms. Lecture, demonstrations, experiments, and laboratory activities are an integral part of the course. This course is designed as a college preparatory class.

**512-FUNDAMENTALS OF BIOLOGY:** This course will acquaint students with the basic principles of living things and their surroundings. Areas of study will include (time permitting): ecology, the cell, DNA, genetics, evolution, as well as overviews of the various kingdoms. Lecture, demonstrations, experiments, and laboratory activities are an important part of the course. This course is designed for those not planning on attending college after graduation.

**515-HONORS BIOLOGY I:** This course will acquaint students with the basic principles of living things and their surroundings. Areas of study will include (time permitting): ecology, the cell, DNA, genetics, evolution, as well as overviews of the various kingdoms, lecture, demonstrations, experiments, and laboratory activities are an integral part of the course. This course is designed for the student who is willing to work harder and to go into more detail than 510 Biology. ***This is a weighted course.***

#### **QUALIFICATIONS FOR ACCEPTANCE INTO HONORS BIOLOGY I:**

1. Students must have a minimum of a 90% yearly average in Honors Natural Science or 93% in Natural Science.
2. Students must be recommended for the program by their ninth grade Science teacher.

**520-ENVIRONMENTAL SCIENCE:** Designed to introduce students to concepts that apply to everyday living. This course acquaints students with the environment and its resources, establishing a relationship between man and his environment, based on our need for energy. This course addresses pertinent environmental issues such as population ecology, terrestrial and aquatic ecosystems, biodiversity and conservation, pollution, basic evolution, and environmental issues within Palmerton. The student should develop a deeper appreciation of our environment and a sense of responsibility for its preservation.

**521-PHYSICS I:** This course is an investigation into the physical laws that govern the universe. It explores the relationships between matter, motion, and energy and builds a framework for understanding their relevance to everyday life. The focus of this course involves the study of classical Newtonian physics, which includes the concepts of velocity, acceleration, force projectile motion, work, energy, and momentum.

***PREREQUISITE: ALGEBRA I – MUST HAVE A MINIMUM OF A 80% AVERAGE IN ALGEBRA I.***

***RECOMMENDED: ALGEBRA II WITH A MINIMUM OF A 80% AVERAGE.***

**522-HONORS PHYSICS I:** This course is similar to 521 Physics. It covers mechanics, but moves at a faster pace and covers the concepts in greater depth. It is recommended for students with strong math skills and a career interest in science, engineering, technology or a related field. ***This is a 1 credit, weighted course.***

#### **QUALIFICATIONS FOR ACCEPTANCE INTO HONORS PHYSICS I:**

1. Students must have completed Algebra I, Algebra II, and Geometry with a MINIMUM OF an 90% average in each class.
2. Students must have a 93% yearly average in Chemistry I; those from Honors Chemistry I must have a MINIMUM of an 83% average.

**530-CHEMISTRY I:** This is an introductory course dealing with the composition of matter and its changes. The ability to handle basic mathematical functions, such as addition, multiplication, etc., is assumed as is basic algebra. Calculators are necessary. The chemical areas covered are: matter and its changes, the

mole, chemical formulas and equations, chemical calculations and reactions, basic atomic structure and an introduction to solution chemistry. Laboratory experiments and other lab activities, as well as lecture and demonstrations are basic to this course. Prerequisite: Students must have a 70% or higher in Algebra I; or completion of Concepts of Physical Science with a 75% or better average.

**531-HONORS CHEMISTRY I:** This is an accelerated, comprehensive course in chemistry designed for students who are planning on attending a four year college, school of nursing, or major in the sciences. Class material will focus on an in-depth study of topics that are covered in Chemistry I with an emphasis on the mathematical problem solving approach to principles. Proficient knowledge of Algebra I and II is assumed, and a calculator is essential. Chemical topics include: matter, change and energy; conversion and measurement; the periodic table; atomic structure and quantum mechanics, chemical formulas and interpretation of formulas; chemical equations and reactions; the mole and chemical measurements, stoichiometry, and solution chemistry. Laboratory experiments and lab reports, as well as lecture and demonstrations are basic to this course. **This is a 1 credit, weighted course.**

**QUALIFICATIONS FOR ACCEPTANCE INTO HONORS CHEMISTRY I:**

1. Students must have a minimum of a 93% yearly average in Biology; those from Honors Biology I must have a minimum of an 83% average.
2. Students must have a minimum of 90% average in Algebra I and 90% average in Algebra II; those from Honors Algebra I must have an 87% average and Honors Algebra II with an 87% average.

***NOTE: HONORS CHEMISTRY I SHOULD BE FOLLOWED BY HONORS CHEMISTRY II FOR A MORE COMPLETE COLLEGE PREPARATION AND BACKGROUND.***

**540-HONORS BIOLOGY II:** This course is designed for those who have an interest in pursuing a Biology related career or for those who have a strong interest in living things. We will be building on foundations that were taught in Basic and Honors Biology. Major areas of study will be dealing with energy and how it is used in living things, genetics, and evolution. Some time will also be spent with dissections, which will be a requirement. **This is a weighted, elective course and does not count as a science credit.**

**QUALIFICATIONS FOR ACCEPTANCE INTO HONORS BIOLOGY II:**

1. Students must have a minimum of an 85% in Honors Biology I or 90% in Biology.
2. Student should complete Chemistry I prior to taking this class.

**541 - HONORS PHYSICS II:** This course follows Physics I. It continues to cover physics topics with a concentration in electricity, magnetism, light and optics. Other topics may include thermodynamics, circular motion, and modern physics. **This is a weighted course.**

**542-CONCEPTS OF PHYSICAL SCIENCE:** This course is designed specifically for students considering a business or vocational career (see course descriptions) and/or students who do not have sufficient math background to take chemistry or physics. The course will be divided into two sections which cover the fundamental concepts of Chemistry and Physics. Chemistry topics will include: matter and atomic structure, phases of matter, chemical bonding, chemical formulas, reactions and energy in chemical reactions. Physics topics will include: Newtonian physics, linear motion, work, energy, and machines.



**543- HONORS CHEMISTRY II:** This is a sequential course following Chemistry I or Honors Chemistry I. It is intended for students who are planning to take chemistry beyond the high school level. Students are actively involved in the laboratory part of the course. Topics include: acid/base chemistry, thermodynamics,

molecular theory and bonding, gas laws, chemical periodicity, electrochemistry, and reduction/oxidation processes. **This is a *weighted, elective course* and does not count as a science credit.**

### **QUALIFICATIONS FOR ACCEPTANCE INTO HONORS CHEMISTRY II:**

1. Students must have a minimum of an 80% average in Honors Chemistry I **OR**
2. A minimum of an 85% average in Chemistry I or recommendation from chemistry teacher.

## **SOCIAL STUDIES**

Students must select one of the required social studies courses each year. Additional selections may be made from the elective options.

**200-AMERICAN HISTORY SINCE 1900:** This course is a continuation of our study of our country's development. Students will gain insight into our country's political, social, cultural, and economic growth. The course begins at the turn of the 20<sup>th</sup> century and culminates with an examination of recent American history.

**205-CP AMERICAN HISTORY SINCE 1900:** This course is a continuation of our study of our country's development. Students will gain insight into our country's political, social, cultural, and economic growth. The course begins at the turn of the 20<sup>th</sup> century and culminates with an examination of recent American history. This is a more challenging class for the motivated student. **PREREQUISITE: MINIMUM OF AN 85 IN 8<sup>TH</sup> GRADE AMERICAN CULTURES.**

**201- HONORS AMERICAN HISTORY SINCE 1900:** This course is a continuation of our study of our country's development. Students will gain insight into our country's political, social, cultural, and economic growth. The course begins at the turn of the 20<sup>th</sup> century and culminates with an examination of recent American history. This class involves more depth and/or projects. It is for highly motivated students. Students who take this course will have the individual option to take the Advanced Placement test in American History in the spring semester of their sophomore year to possibly earn college credit. ***This is a weighted course for GPA calculation purposes.*** **PREREQUISITE: MINIMUM OF A 93 IN 8<sup>TH</sup> GRADE AMERICAN CULTURES.**

**210-AMERICAN GOVERNMENT:** This course examines the origins, development, and functions of the American Government. The transformation of the government at the local, state, and federal levels and the responsibilities of its citizens are explored. The impact that government has had on recent American history will be investigated to evaluate how the government has evolved since its inception.

**215-CP AMERICAN GOVERNMENT:** This course examines the origins, development, and functions of the American Government. The transformation of the government at the local, state, and federal levels and the responsibilities of its citizens are explored. The impact that government has had on recent American history will be investigated to evaluate how the government has evolved since its inception. This is a more challenging class for the motivated student. **PREREQUISITE: MINIMUM OF AN 85 IN THE 9<sup>TH</sup> GRADE AMERICAN HISTORY SINCE 1900 COURSE OR A 70 IN AP (COURSE #201).**

**216-HONORS AMERICAN GOVERNMENT:** This course examines the origins, development, and functions of the American Government. The transformation of the government at the local, state, and federal levels and the responsibilities of its citizens are explored. The impact that government has had on recent American history will be investigated to evaluate how the government has evolved since its inception. Students should be highly motivated to learn in Social Studies and be willing to write essays. Students who take this course will have the individual option to take the Advanced Placement test in American History in the spring semester of their sophomore year to possibly earn college credit. ***This is a weighted course for GPA calculation purposes.*** **Prerequisite: Minimum of an 85% in Honors American History since 1900 or a 90% in CP American History Since 1900.**

**220-WORLD GEOGRAPHY AND CULTURES:** World Geography and Cultures is a social science that is global in nature. The course initially focuses on the physical and human geography of regions around the world. It also concentrates on the understanding and appreciation of cultures. Students will be studying history, traditions, economics, daily life, and the role of a particular region in the world today.

**225-CP WORLD GEOGRAPHY AND CULTURES:** World Geography and Cultures is a social science that is global in nature. The course initially focuses on the physical and human geography of regions around the world. It also concentrates on the understanding and appreciation of cultures. Students will be studying history, traditions, economics, daily life, and the role of a particular region in the world today. This is a more challenging class for the motivated student. **PREREQUISITE: MINIMUM OF AN 85 IN 10<sup>TH</sup> GRADE AMERICAN GOVERNMENT AND RECENT AMERICAN HISTORY, OR A MINIMUM OF A 70 IN HONORS (COURSE #216).**

**221-HONORS WORLD HISTORY:** World History is the story of the human community. It explores how people lived on a daily basis, how they shared ideas, how they ruled and were ruled, and how they fought. Students will also study conflicts, distinct societies, political systems, physical geography, culture, trade, the quest for self-determination, the struggle for individual rights, technology, resources, and the pursuit of power over the course of modern history. This course gives a much more in-depth study of the history of the world we live in and will require students to evaluate the history of the world theoretically, conceptually, analytically, and collaboratively. **This is a weighted course for GPA calculation purposes. PREREQUISITE: MINIMUM OF AN 85% IN 10<sup>TH</sup> GRADE HONORS AMERICAN GOVERNMENT AND RECENT AMERICAN HISTORY OR A 90% IN 10<sup>TH</sup> GRADE CP AMERICAN GOVERNMENT AND RECENT AMERICAN HISTORY.**

**230-ECONOMICS:** This is a required semester course that includes the study of Economics focusing on basic concepts of production, distribution and consumption and how they apply to the American mixed-economy. In addition different economic systems used throughout the world will be examined. Taxes and personal finance will also be introduced.

**232-CP ECONOMICS:** This is a required semester course that includes the study of Economics focusing on basic concepts of production, distribution and consumption and how they apply to the American mixed-economy. In addition different economic systems used throughout the world will be examined. Taxes and personal finance will also be introduced. **PREREQUISITE: MINIMUM OF AN 85% IN GRADE 11 WORLD CULTURES OR A 70 IN HONORS WORLD HISTORY (COURSE #221).**

**234-AP ECONOMICS:** *This is a required semester course that includes the study of Economics focusing on basic concepts of production, distribution and consumption and how they apply to the American mixed-economy. In addition different economic systems used throughout the world will be examined. Taxes and personal finance will also be introduced. This class is for highly motivated students. Students will have the individual option of taking an Advanced Placement test for possible college credit in the spring semester, This is a weighted course for GPA calculation purposes. PREREQUISITE: MINIMUM OF AN 85% IN HONORS WORLD HISTORY OR A 90% IN CP WORLD GEOGRAPHY AND CULTURES.*



## ELECTIVES

### **202- ADVANCED PLACEMENT UNITED STATES HISTORY (Grades 11 and 12):**

The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. Students will have the opportunity to take the AP test for college credit. **PREREQUISITE: MINIMUM OF A 90% IN AMERICAN HISTORY SINCE 1900 AND IN AMERICAN GOVERNMENT OR 87% IN THE HONORS VERSION OF THOSE COURSES. THIS IS A WEIGHTED COURSE FOR GPA.**

**240-CIVIL/CRIMINAL LAW (GRADES 10-12):** This is an introductory course to personal and practical law and is designed to help prepare students to recognize and understand how the law works in the United States. This class will provide information and problem solving opportunities to develop the knowledge and skills necessary in our litigious society. A study of the United States Constitution will be reviewed in order to understand our rights, liberties, and responsibilities. Civil Law will cover such topics as torts, consumer, family, and housing law. Criminal Law will cover such topics as causes, victims, crime classification, defense, and the justice process.

The following methods used in presenting this course may be various audiovisual materials, reviewing and analyzing case studies, role-playing, involving community resources, lecture, individual and group reports, debates, testing, and mock trials that simulate or enact judicial proceedings.

**242-HUMAN RELATIONS (GRADES 10-12):** This course gives students an opportunity to understand the complexities of human interactions and their applications in contemporary society. Topics examined may include communications, ethics, personal and organization values and attitudes, social structures, customs and more. Methods used in presenting this course may include debates, lectures, reading selections, discussions, projects, reports, and testing.

**245-CURRENT EVENTS (GRADE 9-10):** This course is a study of events and issues that are in the news during the current semester. Students will examine national and international issues and events and their impact on us as American citizens. Students will be evaluated through individual and group assignments/projects. A research paper will be required.

**250-AMERICAN HISTORY ON FILM (GRADES 10-12):** Have you ever seen the movie *Hidden Figures*? How about *Forrest Gump*? Are these movies really showing us the truth about the past or are they exaggerations by Hollywood? In *American History on Film*, students will view movies that deal with various topics in American History and debate and discuss their accuracy and importance. Examples of films to be shown are *The Alamo*, *Dances with Wolves*, and *42*. Students will be required to create written evaluations, and conduct research on some of the topics and characters profiled in the movies. Regular attendance will be of the utmost importance since films will be viewed in class.



# WORLD LANGUAGES

Students may accelerate and take a world language during each semester or they may elect to take both foreign languages. (If scheduling permits.)

## **QUALIFICATIONS FOR ACCEPTANCE INTO THE LEVEL I WORLD LANGUAGE COURSES:**

**Prerequisite** - Minimum of a 73 (C) average in 8<sup>th</sup> Grade English

**OR**

**Prerequisite**—Students must have a minimum of an 87 (B+) average in English 9.

## **QUALIFICATIONS FOR CONTINUATION IN WORLD LANGUAGE COURSES:**

In World Languages classes, in order to pass from Level I to Level II and from Level II to Level III, students must obtain a grade of 70% or higher. If less than a 70% is earned, students may be able to continue with the recommendation of their corresponding Level I or Level II teacher, in consultation with the guidance department, based on individual circumstances.

## GERMAN

**300-GERMAN I:** Emphasis on this level is placed on understanding and speaking the German language as it is written today. The vocabulary used is chosen for its usefulness and frequency of occurrence in everyday speech. Grammar study is limited to very basic concepts and structures. Students are introduced to cultural aspects of the language through cultural reading selections. Listening comprehension is strengthened through the use of CDs which accompany the text. Writing is introduced through the use of the textbook and workbook exercises. Evaluation is written and oral.

**310-GERMAN II:** Emphasis is placed on listening, speaking, reading, and writing. Students continue the study of German culture through various topics chosen for the age group. The second year improves the student's ability to use the language by increasing vocabulary and introducing new points of grammar. Supplementary reading materials are used. Evaluation is written and oral. **PREREQUISITE: GERMAN I**

**320-GERMAN III:** The skills of listening, speaking, reading, and writing continue to be developed. The students read and discuss selections from the textbook and supplementary materials. The major grammar concepts are strengthened and then applied in oral and written assignments. New points of grammar continue to be introduced. The students increase their understanding of the German culture through various activities. Evaluation is written and oral.

**PREREQUISITE: MINIMUM OF A 73% (C) IN GERMAN II AND/OR TEACHER RECOMMENDATION**

**330-HONORS-GERMAN IV:** The Honors German IV program is designed to challenge and enrich students who meet the entrance criteria for the course. The language skills of listening, speaking, reading, and writing are expanded. Grammar is reviewed throughout the course. Composition is expanded. Using supplemental readings such as short stories, magazine and newspaper articles, the student will express his/her ideas orally and in writing. Evaluation is accomplished by written and oral testing, the development of projects, and the presentation of projects and compositions. The expectations and materials presented in this course are more demanding in quality and quantity. **This is a weighted course.**

## **QUALIFICATIONS FOR ACCEPTANCE HONORS GERMAN IV**

1. Students must have a minimum of an 83% (B) average in German III.
2. Students must be recommended for the program by their German III teacher.

## SPANISH

**301-SPANISH I:** Spanish I is designed to give the student an introduction to both, the Spanish language and the Hispanic culture. Through the use of a multimedia approach to learning, emphasis is placed on teaching the basic grammar and vocabulary while general cultural information is covered within the academic content. All four language skills – listening, speaking, reading, and writing are explored.

**311-SPANISH II:** Spanish II is a continuation and reinforcement of the skills learned in **Spanish I**, plus further development of new vocabulary and grammar, especially the use of past tense. Improving writing and speaking skills are highly encouraged.

***PREREQUISITE: SPANISH I***

**321-SPANISH III:** Spanish III is a continuation and reinforcement of skills learned in **Spanish I** and **II**. Emphasis is on reading comprehension and new vocabulary thus encouraging conversation and self-expression. Reading selections include literature, poetry, topics of current interest and folklore of Spanish-speaking countries. Activities include original skits, short stories, and seasonal projects. *This course can be taken as a dual enrollment course through LCCC.*

***PREREQUISITE: MINIMUM OF A 73% (C) IN SPANISH II AND/OR TEACHER RECOMMENDATION***

**331-HONORS SPANISH IV:** Spanish IV is a flexible program for students who have mastered the fundamentals of the language and are now ready to apply their ability in a wide variety of subject areas. Themes of universal interest, as well as those pertinent to Spain and Spanish-speaking countries, are explored. *This course will either be a 1 credit, weighted course OR this course can be taken as a dual enrollment course through LCCC earning 1 high school credit and three college credits.*

### **QUALIFICATIONS FOR ACCEPTANCE HONORS SPANISH IV**

1. Students must have a minimum of an 83% average in Spanish III.
2. Students must be recommended for the program by their Spanish III teacher