



# Piqua High School



## Program of Studies

2020-2021





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# Grades and Credits

## **JUNIOR HIGH CREDIT**

Junior high school students successfully completing high school courses offered as part of the junior high curriculum (Algebra I and Art) will earn high school credit, but the grade will not be included in the high school GPA.

## **COURSE RETAKE OPTION**

A student may retake a course for improved achievement. The credit will be denied for the original course, but the course will remain on the transcript. A letter D will be added next to the original letter grade indicating the credit was denied. For example, Spanish with an original grade of C, would be recorded CD on the final transcript.

## **GRADING SYSTEM**

Piqua High School staff adheres to the following grading scale:

- A = 90 - 100
- B = 80 - 89
- C = 70 - 79
- D = 60 - 69
- F = Below 60

## **GRADE POINT AVERAGE**

The grade point average (GPA) is figured on the 4.0 scale for all courses, except those that are pass/fail, and it is used to determine class rank. A grade point is computed by multiplying the number of grade points earned in each course (A=4, B=3, C=2, D=1, F=0) times the number of credits the course is worth. The total number of points is divided by the number of credits attempted to determine the GPA. *A student that withdraws failing from a class will affect the student's GPA, as it will be calculated into the cumulative GPA and the class rank.*

## **HOME SCHOOLED STUDENTS**

Credits for home schooled students may be accepted by the Assistant Superintendent, but grade point average will not be accepted.

## **VALEDICTORIAN AND SALUTATORIAN**

Selections are based on GPA, course selection, and ACT/SAT scores through seven semesters. To be eligible:

1. Must qualify for an Honor's Diploma.
2. 4.0 GPA will be multiplied by 9.
3. The GPA and ACT will then be added together.
4. The top point earner will be the valedictorian. The second point earner will be the salutatorian.

*The honor will be based on GPA and test scores at the end of the first semester of the senior year.*

## **ODYSSEYWARE ONLINE LEARNING**

Odysseyware Online Learning is a program designed to allow credit-deficient students the opportunity to earn credits online. Students utilize an internet-based academic program to complete classes that will fulfill requirements for graduation. Students may take classes during the school day or after school. Participation in the program requires permission of the building principal and school counselor.

## **SCHEDULING**

During February, the scheduling process will begin. Please feel free to arrange a conference with your counselor during this time should there be any questions. Please give careful consideration in course selection. The counselors will change schedules for the next year until the last day of school. After the last day of school, students will remain in the course for the first 5 days. They will have the opportunity to change their schedule during days 6-10 by completing a course change request form, which can be obtained in the counseling office. If a student changes a course during the first ten days, there will be no penalty to the student. After that time, the student will be withdrawn with an F which impacts eligibility and GPA. Level changes within the same subject will be handled on an individual basis.

## **SUMMER SCHOOL**

Piqua High School offers selected summer school classes to students in grades 9 - 12 through the Odysseyware Online Learning. Applications can be obtained in the spring. \$50 deposit required. Deposit will be returned upon successful completion of the summer school course(s) by the end of summer school.

## **FLEX CREDIT**

Per Ohio Revised Code and Piqua School Board policy, Piqua High School allows students the opportunity to experience learning and the acquisition of skills through instruction or study outside of the traditional classroom. Credit flexibility options are designed for those students who demonstrate the ability, interest, and maturity to accept personal responsibility for their learning in a selected curricular area and are willing to pursue it beyond the typical classroom setting. Any student interested in participating in the Credit Flexibility option should see their counselor prior to May 15.

## **PHYSICAL EDUCATION WAIVER**

The PE Waiver is available to athletes, members of after school Marching Band, Color Guard, Show Choir, and Cheerleaders who practice and participate in a Piqua High School sanctioned activity on a daily basis. The guidance department will verify with the athletic department that the students completed 90% of the season. The sport or activity will be documented on the transcript. Excused students must complete one-half unit in another curricular area (not PE). *Two seasons are required to waive the PE requirement; no partial credit can be earned.*

## **UPPER VALLEY CAREER CENTER**

Students who are 16 or older, have completed two years of high school, meet program-specific requirements, and meet the credit requirement of seven credits, including 1 Math, 1 Science, 1 English, and 1 Social Studies are eligible to attend the UVCC. Applications are available online on the UVCC website and are accepted until the 10<sup>th</sup> day of school. Special needs students must have an IEP conference and plan prior to admission.

# *Educational Options*

## **SPECIAL EDUCATION**

Special education services are provided to students with disabilities as defined by the Individuals with Disabilities Education Act (IDEA). Special education students are scheduled based upon the recommendations of the student's Individualized Education Program (IEP) team. Our intervention specialists and general education teachers work together to offer a full range of instructional services to meet each student's needs.

## **ELL**

The ELL Program is available to students whose first language is not English. The program helps non-native English speaking students develop the appropriate English language skills to succeed in all aspects of their education. They receive individualized instruction in reading, writing, listening and speaking. ELL students may also be entitled to curriculum and assessment modifications in their core classes based on their language level.

## **ADVANCED PLACEMENT (AP) COURSES**

AP courses are taught at high schools across the United States and allow students to participate in college level courses. Students could possibly earn college credit while still in high school. High schools and colleges cooperate in this program to give students the opportunity to show mastery in college-level courses by taking the AP exam in May of each school year. Colleges and universities may grant students college credit and/or accelerated placement on the basis of their AP test scores. It is important to note that these policies vary among institutions of higher learning. It is advised that students check with the colleges and universities they are interested in to see if they accept AP exams for credits.

## COLLEGE CREDIT PLUS

College Credit Plus allows students to take college classes while in high school. All students interested in College Credit Plus are required to attend one of Piqua High School's College Credit Plus meetings held in February with their parents. The student/parent must provide the counselor with a non-binding notification of intent by April 1. Students must complete the college application and submit an official transcript to the university.

Wright State University: Satisfaction of the Ohio remediation free standards, recommendation of the high school principal/counselor, college-level placements scores as established by the University, and satisfaction of all prerequisites for any selected course(s). To take WSU Math: 22 on the ACT (27 ACT for WSU Calc), 550 on the SAT, or a score of 46 or better on the Wright State ALEKS mathematics examination; 18 on the ACT English exam, 490 on the SAT Reading and Writing Exams, or a score of 84 or above on the WSU writing placement exam. To take WSU English: 21 on the ACT, 550 on the SAT Reading and Writing examinations, or a score of 86 or above on the Wright State writing examination. Students with the following valid test results should NOT take the WSU Writing Placement Test: ACT English 21, SAT Evidenced-Based Reading/Writing 550, SAT Writing & Language 28, SAT Reading 27. All placements test must be taken at the WSU campus.

Edison Community College: Any high school student with a qualifying ACT or Accuplacer score. ACT: 18 in English, 22 in Reading and 22 in Math. Students may take classes on the Piqua High School campus or at Edison. Students must meet with their counselor for proper paperwork prior to registering for their semester classes. Scheduling conflicts of college courses and school activities are not the responsibility of the Piqua City School District. The Accuplacer placement test can be taken at Edison or on the scheduled date at PHS.

Cleveland State University: Students must have a 2.3 GPA and qualifying ACT score. ACT requirements include: 18 in English OR 22 Math OR 22 Reading. Additionally, CSU requires an ACT composite score of 16 OR SAT total score of 880 or higher. Test scores must be sent electronically.

# Educational Options

## College Credit Plus Course Offerings at PHS

Math	<p><u>WSU Pre-Calculus</u> 4 credits MATH 1280 College Algebra 3 credits MATH 1350 Analytical Geometry and Trigonometry</p> <p><u>WSU Calculus</u> 4 credits MATH 2300 Calculus I 4 credits MATH 2310 Calculus II</p> <p><u>ECC Math</u> 3 credits MTH 120s Quantitative Reasoning</p>
Science	<p><u>ECC Anatomy &amp; Physiology</u> 4 credits BIO 125s Anatomy and Physiology I 4 credits BIO 126s Anatomy and Physiology II</p>
Social Sciences	<p><u>ECC US History</u> 3 credits HST 121S History of the United States I 3 credits HST 122S History of the United States II</p>
English	<p><u>ECC English Composition</u> 3 credits ENG 121S English Composition 1 3 credits ENG 122S English Composition II</p>
Electives	<p><u>CSU Computer Science Principles</u> 3 credits CIS 151 Invitation to Computing</p> <p><u>ECC Medical Terminology</u> 3 credits ALH 151s Health Care Medical Terminology 1 credit ALH 101S Introduction to Healthcare</p>

### **DISCRIMINATION POLICY**

In compliance with legislation, all students are to be counseled equally when describing the content of a course, program, or field of academic study. All courses offered to the student population of Piqua High School are available to all students. Please refer to BOE policy 2260 - Nondiscrimination and Access to Equal Educational Opportunity.



### **EXTRACURRICULAR ELIGIBILITY**

Students receiving two Fs at the conclusion of a grading period are declared ineligible for the next nine weeks. Athletes must also be *passing 5 units of credit* each nine week grading period per OHSAA guidelines. Students that withdraw failing from a class will impact the 2 “F” policy for extracurricular eligibility and the 5-credit requirement for the OHSAA. When registering for classes and changing class schedules, students/parents need to double check the total number of credits with the counselor. PE does not count as one of the five classes needed for eligibility.

### **ATHLETICS**

Piqua High School is a member of the Miami Valley League (MVL), participating in sports opposite Sidney, Piqua, Troy, Tipp City, Vandalia, Greenville, West Carrollton, Fairborn, Stebbins, and Xenia.

#### Boys' Sports

Football  
Basketball  
Baseball  
Cross country  
Tennis  
Track  
Soccer  
Wrestling  
Golf  
Swimming  
Bowling

#### Girls' Sports

Volleyball  
Basketball  
Softball  
Cross country  
Tennis  
Track  
Soccer  
Golf  
Swimming  
Cheerleading  
Bowling

### **EXTRACURRICULAR ACTIVITIES**

The following extracurricular activities are available to Piqua High School Students:

National Honor Society: a group of juniors and seniors having a GPA of 3.6 or higher. The purpose is to uphold the standards of scholarship, leadership, character, and service.

Student Council: an organization of elected students that plans student based activities such as homecoming, honor roll assemblies and teacher appreciation breakfasts. Students must maintain high academic standards and attendance to continue as a member in Student Council.

Key Club: an international student led organization that provides its members with opportunities to provide service, build character, and develop leadership.

Link Leaders: students in grades 11-12 act as mentors to the incoming freshmen to help them transition into high school.

Color Guard: an auxiliary unit mainly concerned with the visual aspect of marching band using flags and movement.

# Athletics and Extracurricular Activities

Musical: The Piqua High School Music Department presents an all school musical each spring. The musical is open to any PHS student. Auditions are held prior to holiday vacation. Rehearsals take place January, February, and March.

Academic Challenge: a winter MVL sport that competes in quiz bowl competitions.

Spanish Club: promotes the understanding of foreign cultures, while providing students with an opportunity to speak Spanish, explore artistic expression, and experience the flavor and diversity of the multi-faceted Hispanic culture.

Art Club: works on various large-scale art projects throughout the year. Members participate in projects to beautify the school and community as well as multiple fundraisers to support the club.

Family, Career and Community Leaders of America (FCCLA): a dynamic and effective national student organization that helps young men and women become leaders and address important personal, family, work, and societal issues through Family and Consumer Sciences education.

Interact Club: a service organization connected to the Rotary Club. Interact Club sponsors several events during the school year that focus on lifting up the community.

Science Olympiad: an academic competition team that competes in events consisting of building, identifying, modeling, and studying different scientific phenomenon.

Science Fair: Work with classmates to complete a long-term science project and submit it for prizes at the district, county, and state level.

Dungeons and Dragons: Learn how to play the world's most famous role-playing game and make new friends in the process. Create a character and join a party of adventures, leveling up in power as you face various monsters and obstacles while telling a story collaboratively.

French Honor Society: To foster and encourage the study of the French language and culture. Qualifications: Two full years of French with a grade of A- or better; a minimum 3.0 GPA in all other coursework (excluding French grades); teacher invitation only.

Harry Potter Club: promotes positivity in the school and community through the magical world of Harry Potter. During each meeting, club members discuss Harry Potter books, movies, topics, news, and trivia.

LGBTQ Club: A student-led organization that unites LGBTQ and allied youth to build a safe, welcoming, and accepting school community and organize around issues impacting them.

## PIQUA HIGH SCHOOL GRADUATION REQUIREMENTS

Piqua High School students are required to earn 21 credits, meet testing requirements, and complete 6 hours of senior service hours.

- English: 4 credits
- Math: 4 credits including 1 credit of Algebra II or equivalent. Three math credits must be earned at the high school.
- Science: 3 credits including 1 Physical, 1 Biological, and 1 Advanced
- Social Studies: 3 credits including 1 American History, .5 Government, and .5 World History
- Physical Education: .5 credit--2 semesters (or PE waiver)
- Health: .5 credit
- Electives: 6 credits including 2 semesters in Fine Arts (grades 7-12).
- Financial Literacy: Students must study financial literacy to graduate. This requirement can be met by completing one of the following courses: Economics, Finance and Banking, Personal Finance, Government S2 or Success Bound.

### CLASS OF 2021 & 2022

#### TESTING

Must meet one of three testing options:

##### Ohio's state tests

Students will take 7 end of course exams in English 9, English 10, Algebra, Geometry, Biology, US History, and Government. Each test is worth a maximum of 5 points. If the student earns 18 points with minimum scores of 4 points in English, 4 points in math, and 6 points in Social Studies and Science, the testing requirements for graduation are met. Students taking Advanced Placement courses in Biology, American History, or American Government may substitute AP scores for end of course state exams to avoid double testing. Students taking College Credit Plus courses in Biology, American History, or American Government may substitute grades for end of course state exams. Students that use AP scores or CCP scores in Biology, still need to test in Biology.

##### College and career readiness tests

Students may take a college admissions test to meet graduation testing requirements. Students must earn "remediation-free" scores in English language arts and mathematics on a nationally recognized college admission exam. The ACT remediation free scores are English 18, Reading 22, and Math 22. The SAT remediation free scores are English 430, Reading 450, and Math 520. The state of Ohio will pay one time for all 11<sup>th</sup> grades students to take the exam free of charge. The school district selects the test each year.

##### Industry credential and workforce readiness

The Industry credential and workforce readiness option means that students must earn 12 points through a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score on the WorkKeys assessment. The WorkKeys assessment has three sections: reading, applied mathematics and locating information. Students in

# Graduation Requirements

# Graduation Requirements

the Class of 2020 must earn a total of 14 points across the three WorkKeys sections. Students must also earn at least three points on each section of the test. The state of Ohio will pay one time for those who take the WorkKeys assessment.

OR

Earn a passing score on Ohio's high school Algebra 1 and English II tests. Students who do not pass these tests will be offered additional support and must retake the test at least once. After taking the tests, there are three additional options:

Demonstrate Two Career-Focused Activities:

Proficient scores on WebXams (Foundational)

A 12-point industry credential (Foundational)

A pre-apprenticeship or acceptance into an approved apprenticeship program (Foundational)

Work-based learning (Supporting)

Earn the required score on WorkKeys (Supporting)

Earn the OhioMeansJobs Readiness Seal (Supporting)

\*At least one of the two must be a Foundational skill

Enlist in the Military:

Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation.

Complete College Coursework:

Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program.

**Additionally**, students must earn two of the following diploma seals (at least one of the two must be Ohio-designed):

- OhioMeansJobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- College-Ready Seal (Ohio)
- Military Enlistment Seal (Ohio)
- Citizenship Seal (Ohio)
- Science Seal (Ohio)
- Honors Diploma Seal (Ohio)
- Seal of Biliteracy (Ohio)
- Technology Seal (Ohio)
- Community Service Seal (Local)
- Fine and Performing Arts Seal (Local)
- Student Engagement Seal (Local)

**\*Class of 2021 & 2022 may also use the class of 2023 & beyond graduation requirements.**

## CLASS OF 2023 & BEYOND

Earn a passing score on Ohio's high school Algebra 1 and English II tests. Students who do not pass these tests will be offered additional support and must retake the test at least once. After taking the tests, there are three additional options:

### Demonstrate Two Career-Focused Activities:

Proficient scores on WebXams (Foundational)

A 12-point industry credential (Foundational)

A pre-apprenticeship or acceptance into an approved apprenticeship program (Foundational)

Work-based learning (Supporting)

Earn the required score on WorkKeys (Supporting)

Earn the OhioMeansJobs Readiness Seal (Supporting)

\*At least one of the two must be a Foundational skill

### Enlist in the Military:

Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation.

### Complete College Coursework:

Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program.

**Additionally**, students must earn two of the following diploma seals (at least one of the two must be Ohio-designed):

- OhioMeansJobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- College-Ready Seal (Ohio)
- Military Enlistment Seal (Ohio)
- Citizenship Seal (Ohio)
- Science Seal (Ohio)
- Honors Diploma Seal (Ohio)
- Seal of Biliteracy (Ohio)
- Technology Seal (Ohio)
- Community Service Seal (Local)
- Fine and Performing Arts Seal (Local)
- Student Engagement Seal (Local)

# Graduation Requirements

# Graduation Requirements

## UPPER VALLEY CAREER CENTER GRADUATION REQUIREMENTS

Upper Valley Career Center students are required to earn 21 credits and meet end of course exam requirements. Senior service hours are not required.

- English: 4 credits
- Math: 4 credits including 1 credit of Algebra II or equivalent. Three math credits must be earned at the high school. Those who are pursuing a career-technical education pathway may be able to replace the Algebra 2/Math 3 requirement with a career-based mathematics course.
- Science: 3 credits including 1 Physical, 1 Life, and 1 Advanced
- Social Studies: 3 credits including .5 American History, .5 Government, and .5 World History (Class of 2021 and beyond)
- Physical Education: .5 credit--2 semesters
- Health: .5 credit
- Electives: 6 credits
- Financial Literacy: Students can meet this requirement by completing requirements at PHS or by taking government at the Upper Valley CC.

## ACADEMIC HONORS DIPLOMA

Graduating seniors have the opportunity to earn a Diploma with Honors. To qualify for this diploma, a student must fulfill all but one criterion.

- English: 4 credits
- Math: 4 credits including Algebra I, Geometry, Algebra II
- Science: 4 credits including 2 advanced sciences
- Social Studies: 4 credits
- World Language: 3 credits in one language or 2 credits each in two languages
- Fine Arts: 1 credit (grades 7-12)
- GPA: 3.5 on a 4.0 scale
- ACT: 27 or SAT: 1280

## CAREER TECHNICAL HONORS DIPLOMA

Graduating seniors have the opportunity to earn a Career Technical Honors Diploma. To qualify for this diploma, a student must fulfill all but one criterion.

- English: 4 credits
- Math: 4 credits including Algebra I, Geometry, Algebra II, or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content.
- Science: 4 credits including two units of advanced science
- Social Studies: 4 credits
- World Language: 2 credits in one language
- Electives: 4 credits of career-technical courses
- GPA: 3.5 on a 4.0 scale
- ACT: 27 or SAT: 1210 or Workkeys: 6 on Reading and 6 on Applied Mathematics
- Field experience
- Portfolio
- Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.

## **STEM HONORS DIPLOMA**

Graduating seniors have the opportunity to earn a STEM Honors Diploma. To qualify for this diploma, a student must fulfill all but one criterion.

- English: 4 credits
- Math: 5 credits including Algebra I, Geometry, Algebra II
- Science: 5 credits including 2 advanced sciences
- Social Studies: 3 credits
- World Language: 3 credits in one language or 2 credits each in two languages
- Fine Arts: 1 credit (grades 9-12)
- Electives: 2 credits with a focus on STEM
- GPA: 3.5 on a 4.0 scale
- ACT: 27 or SAT: 1280
- Field Experience
- Portfolio

## **ARTS HONORS DIPLOMA**

Graduating seniors have the opportunity to earn an Arts Honors Diploma. To qualify for this diploma, a student must fulfill all but one criterion.

- English: 4 credits
- Math: 4 credits including Algebra I, Geometry, Algebra II
- Science: 3 credits including 1 advanced sciences
- Social Studies: 3 credits
- World Language: 3 credits in one language or 2 credits each in two languages
- Fine Arts: 4 credits (grades 9-12)
- Elective: 2 units with a focus on fine arts
- GPA: 3.5 on a 4.0 scale
- ACT: 27 or SAT: 1280
- Field Experience
- Portfolio

## **SOCIAL SCIENCE AND CIVIC ENGAGEMENT HONORS DIPLOMA**

Graduating seniors have the opportunity to earn a Social Studies and Civic Engagement Honors Diploma. To qualify for this diploma, a student must fulfill all but one criterion.

- English: 4 credits
- Math: 4 credits including Algebra I, Geometry, Algebra II
- Science: 3 credits including 1 advanced sciences
- Social Studies: 5 credits
- World Language: 3 credits in one language or 2 credits each in two languages
- Fine Arts: 1 credit (grades 9-12)
- Electives: 3 units with a focus on social sciences
- GPA: 3.5 on a 4.0 scale
- ACT: 27 or SAT: 1280
- Field Experience
- Portfolio

# College Preparation

## **COLLEGE BOUND STUDENTS**

The following courses are recommended for college bound students.

- 4 credits of College Prep or Pre-AP English
- 4 credits of math, including Algebra I, Geometry, Algebra II
- 3 credits of science
- 3 credits of social studies
- 2-3 credits of world language (same language)
- 1 credit of art or music (grades 9-12)

Four-year college bound students will complete college entrance exams. The entrance tests are the ACT and SAT. Both the ACT and SAT are given five to six times each year. A student may take the test as many times as he/she wishes and scores should be sent to the college. Colleges will generally take the best score when considering admission or scholarship. It is best to take the test no later than the spring of the junior year. This allows the student to complete a full three years of English, math, and science courses. Students are encouraged to take the test more than once.

**PreACT:** The PreACT is a shortened practice ACT test for high school sophomores. It tests English, Math, Reading, and Science. It is an excellent preview in preparation for taking the real ACT.

**ACT:** Scores on the ACT are reported in English, Math, Reading, Science Reasoning, Writing (optional but required by some schools), and a Composite (average of four). Scores will range from 1 to 36 with 21 being an average national score. The following scores on the ACT indicate college readiness: English-18, Reading-22, Math-22, and Science-23.

**PSAT:** PSAT scores are used to identify National Merit Scholars and award merit scholars. This test is taken on a request only basis by the 11<sup>th</sup> graders.

**SAT:** Highly competitive schools generally prefer the SAT. Scores are reported in critical reading, math, and writing. Scores on the SAT range from 200 to 800 on each part of the test. The following scores on the SAT indicate college readiness: Writing-430, Critical Reading-450, Math-520.

Students should be prepared to apply to college by Thanksgiving but no later than Christmas of their senior year. The student will request transcripts from their counselor and provide a dollar for each request.

Seniors should check the list of scholarships posted in Naviance. All families with college bound students should complete the FAFSA form (Financial Aid Form) after October 1 of their senior year. Colleges have priority deadlines. Complete the FAFSA by the deadline. Financial aid meetings are offered during parent teacher conferences.

## **HOW COLLEGES SELECT STUDENTS**

Colleges select students by the rigor of course work pursued by the student during high school, student rank, GPA, college entrance examination scores, service to the school and the community, extracurricular activities, attendance record, personal profile of the student, neatness and accuracy of the college application, letters of recommendation, and personal interview (if required).



## COLLEGE ATHLETES

Students planning to participate in intercollegiate athletics must pay close attention to the courses they select. They may need to go through the NAIA or NCAA eligibility center during their junior year, and they want to make sure they are eligible.

### NAIA

If you are playing NAIA, you must register at [www.playnaia.org/](http://www.playnaia.org/). You must meet two of the three criteria: GPA (2.0/4.0), class rank (top 50%), and ACT (18) or SAT (860). Student must send an official transcript at the end of their junior year and a final transcript once they graduate. All ACT scores need to be sent directly from the testing agency using code 9876.

### NCAA

If you are playing at a Division I or II institution, you must register at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). GPA, ACT/SAT scores, and course requirements determine eligibility. Check with your counselor your freshman year to make sure you are taking a core curriculum that meets NCAA requirements. Student must send an official transcript at the end of their junior year and a final transcript once they graduate. All ACT scores need to be sent directly from the testing agency. Students must meet the following criteria:

- Graduate from high school
- Complete 16 core courses: 4 years of English (Must be College Prep English), 3 years of math, 2 years of science, 1 extra year of English, math, or science, 2 units of social science, 4 years of extra core courses (from any category above or world language, non-doctrinal religion, or philosophy). For Division I, 10 core courses must be completed prior to the 7<sup>th</sup> semester of high school (January of your senior year). These courses are locked in and cannot be retaken for improved credit. 7 of the 10 courses must be in English, math, or science.
- Division I: Uses a sliding scale to match test scores and grade point average to determine athletic eligibility. Must have a core GPA of at least 2.3. Grade point average is based on core courses.
- Division II: Earn a 2.200 grade-point average or better in your core courses and earn a combined SAT score of 840 or an ACT sum score of 70.

# Career Exploration

## **NAVIANCE**

Naviance is a one-stop site to help students prepare for future careers. The website allows students to take career assessments, research careers, locate universities, apply for scholarships, and explore job opportunities. Each student has a Naviance account. The account can be accessed from the guidance webpage.

## **SUCCESS BOUND**

The Success Bound course introduces students to a variety of career fields and business people from a range of career clusters.

## **COLLEGE WEEK**

Piqua High School offers college week for sophomores, juniors, and seniors. Sophomores take the PreACT test. Juniors and seniors visit college, military, and employment recruiters of interest.

## **COLLEGE FAIR**

Edison Community College offers a college fair for juniors and seniors. The high school will take students to the event. Over 60 college and university representatives from Ohio, Indiana, and Tennessee attend.

## **COLLEGE VISITS**

Juniors are allowed to attend 2 college visits. Seniors are allowed to attend 3 college visits. *See your counselor prior to attending for the correct paperwork.*

## **JOB SHADOWING**

Students are able to arrange to job shadow. See your counselor for an application.

## **CAREER CLUSTERS**

The Career Clusters are separated into sixteen areas and are designed to help students plan their educational experiences culminating in a rewarding career and independent adulthood. The information on the following pages is provided by Ohio Means Jobs.

## Occupations

- *Agricultural Engineers*
- *Agricultural inspector*
- *Agricultural Scientist*
- *Animal Breeders*
- *Animal Scientists*
- *Animal Trainers*
- *Commercial Fishers*
- *Conservation Scientists*
- *Farm and Ranch Workers*
- *Farm Equipment Mechanics*
- *Fish and Game Wardens*
- *Food Processing Workers*
- *Foresters*
- *Loggers*
- *Meat Cutters*
- *Nursery Workers*
- *Park Naturalists*
- *Recycling Workers*
- *Rock Splitters*
- *Trash Collectors*
- *Veterinarians*
- *Veterinary Assistants*
- *Water Treatment Plant Operators*
- *Zoologists*

## ***Agricultural and Environmental Systems***

*Do you enjoy working with animals?*

*Do you have a green thumb?*

*Do you collect rocks?*

*Are you interested in protecting the environment?*

*Do you enjoy working outdoors?*

*Are science classes your favorite?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in agriculture, food, and natural resources.

If you chose to work in occupations in the Agriculture, Food, and Natural Resources cluster, you could raise plants and animals as sources for food and shelter. On the other hand, you could focus on selling and making products from plants and animals. These products include food, lumber, and fabrics. You might also provide advice and services that farmers and ranchers need to improve products. Another option in this cluster is to work to conserve natural resources and protect the environment.

### **Helpful Piqua High School Electives**

AP Biology

AP Chemistry

Higher Level Math Classes

### **Upper Valley Career Center Offerings**

Ag and Power Technologies

Environmental Occupations

Landscape Management

Veterinary Science

### **Edison Community College Offerings**

Agriculture, A.S.

Earth Science, A.S.

## ***Arts and Communication***

*Do you like to perform in front of an audience?  
Are you interested in working in the movies or television?  
Do you like to work with technology?  
Is artistic expression important to you?  
Are you active with the school or community theatre?  
Does computer animation interest you?  
Are you visually oriented?*

If you answered yes, you might be interested in considering a career in arts, audio/video technology, and communications. If you are interested in working in this cluster, you have two avenues. One is to be the performer or artist. The other is to work behind the scenes to make the performance or publication happen. As a reporter, actor, or fine artist, you would use your creative talents. To assure that a concert or magazine is successful, you would use computers and sound equipment. The occupations in this cluster allow you to use your creativity, talent, and technical skills.

### **Helpful High School Electives**

Women's, Men's, Concert, & Show Choir  
Show Choir Combo, Marching Band & Symphonic Band  
Music Appreciation and Theory  
Art I: Introduction to Art  
Art II: Drawing and Painting  
Art III: Studio Art  
AP Studio Art: 2D Design/Drawing  
Introduction to Design  
Visual Design: Foundations of Design and Print Production  
Digital Video: Foundations of Video Design and Production  
Interactive Design: Foundations of Animation and Interactive Design  
Photoshop  
Premiere Pro  
Piqua Digital Weekly  
After Effects  
Ceramics Independent Study  
Speech Communications  
World Languages  
Yearbook  
Drama  
Fashion Design Construction

### **Upper Valley Career Center**

Design and Digital Print Technologies  
Interactive Media

### **Edison Community College Offerings**

Fine Arts, A.A.  
Photography Short-Term  
English, A.A.  
Communications, A.A.

## ***Occupations***

- *Actor*
- *Agent & Business Manager*
- *Animator*
- *Announcer*
- *Art Director*
- *Broadcast Technician*
- *Camera Operator*
- *Cartoonist*
- *Choreographer*
- *Costume and Wardrobe Specialist*
- *Curator*
- *Dancer*
- *Editor*
- *Fashion Designer*
- *Film and Video Editor*
- *Fine Artist*
- *Graphic Designer*
- *Music Composers, Directors, and Arrangers*
- *Musicians*
- *News Reporters*
- *Photographers*
- *Printing Press Operator*
- *Producer and Director*
- *Proofreaders*
- *Set Designer*
- *Singer*
- *Technical Writer*
- *Video Game Designer*
- *Writer*

## Occupations

- *Administrative Services Managers*
- *Advertising Managers*
- *Billing Clerks*
- *Bookkeeping and Accounting Clerks*
- *Business Executives*
- *Computer Operators*
- *Court Reporters*
- *Data Entry Keyers*
- *Employment Interviewer*
- *Employment Recruiter*
- *Executive Secretary*
- *File Clerks*
- *Human Resources Manager*
- *Mail Clerks*
- *Office Manager*
- *Payroll and Timekeeping Clerks*
- *Property and Real Estate Manager*
- *Receptionist*
- *Secretaries*
- *Statisticians*

## ***Business and Administrative Services***

*Do you enjoy working with other people?  
Are you good at working with numbers?  
Do you like to plan and organize activities?  
Have you started your own business?  
Do you keep your checkbook balanced?  
Are you an officer of an organization?*

If you answered yes to two or more of the questions above, you might be interested in a career in business management and administration.

If you are interested in the Business Management and Administration cluster, there are many career options. You may provide the needed support to keep a business in operation. Or you might keep track of the expenses and income. You could manage the financial activities of a business. Another option is to be sure that a business has qualified employees who are trained to do their jobs. Or after years of education or experience, you might direct the operations of a business.

### **Helpful High School Electives**

Speech  
Finance and Banking  
AP Calculus  
AP Statistics  
Visual Design: Foundations of Design and Print Production  
Digital Video: Foundations of Video Design and Production

### **Edison Community College Offerings**

Accounting, A.A.B., certificate and short-term certificate  
Business, A.S., and short-term certificate  
Business Management, A.A.B., certificate  
Business Management, General Business Studies, A.A.B. and certificate  
Business Management, Human Resources Management, A.A.B., certificate, and short-term certificate  
Business Management, Marketing, A.A.B. and certificate  
Business Management Entrepreneurship A.A.B., Certificate  
Real Estate Certificate and short-term certificate  
Occupational Healthcare and Administration, Administrative Assistant, A.A.B. and certificate  
Medical Office Support, A.A.B. and certificate  
Medical Coder certificate  
Medical Office Support A.A.B. and certificate

## ***Construction Technologies***

*Do you often observe and note the buildings around you?*

*Do you like to work with your hands?*

*Can you visualize objects and projects in your mind?*

*Do you like to create models or make designs?*

*Do you like to work with tools, objects, and numbers?*

*Do you like to use both mental and manual skills to solve problems?*

*Do you like to work both alone and with others?*

If you answered *yes* to two or more of the questions above, you might be interested in considering a career in architecture and construction.

If you work in occupations in the Architecture and Construction cluster, you would be responsible for buildings and other structures such as highways and bridges. You might make designs and plans for new structures. Or, you would use the plans to build new structures and manage construction workers. Another option would be to take care of, repair, and restore existing structures.

### **Helpful Piqua High School Electives**

Exploring Technology

Engineering Design

Construction Technology

Fashion Design and Construction

Interior Design, Furnishings, and Management

Art I: Introduction to Art

Art II: Drawing/Painting

Art III: Studio Art

AP Studio Art: 2D Design/Drawing

### **Upper Valley Career Center Offerings**

Construction Technologies

Electrical Trades

HVAC/R

Landscape Management

Masonry, Plumbing, and Mechanical Systems

Pre-Engineering and Design Technologies

Welding Technologies

### **Edison Community College Offerings**

Equipment Maintenance Technology, A.A.S.

HVAC/R, certificate

## ***Occupations***

- *Architect*
- *Cabinetmaker*
- *Carpenter*
- *Cement Mason*
- *Construction Manager*
- *Drafters*
- *Drywall Installers*
- *Electrician*
- *Floor and Carpet*
- *Installer*
- *General Construction Worker*
- *Heating and Cooling System Mechanics*
- *Highway Maintenance Worker*
- *Interior Designer*
- *Janitor*
- *Landscape Architect*
- *Painter*
- *Plumber*
- *Roofer*
- *Sheet Metal Worker*
- *Surveyor*

## ***Education and Training***

### ***Occupations***

- *Adult and Vocational Education Teachers*
- *Coaches and Scouts*
- *College and University Administrators*
- *Elementary School Teachers*
- *Fitness Trainers and Aerobics Instructors*
- *High School Teachers*
- *Librarians*
- *Middle School Teacher*
- *Preschool and Kindergarten Teacher*
- *Special Education Teacher*
- *Speech Pathologies and Audiologist*
- *Teacher Aides*
- *University and College Teacher*

*Are you patient?*

*Have you coached sports activities?*

*Do you like to speak in front of groups?*

*Have you helped out in a school or library?*

*Do you enjoy teaching games to children?*

*Are you outgoing?*

*Do you like being in school?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in education and training.

In the Education and Training cluster, you would have the opportunity to guide and train young people. As a teacher, you could influence young lives. In addition, you could support the work of the classroom teacher as a counselor, librarian, or principal. If you are interested in working with adults, you could provide training to employees in a business. Each of these settings provides you with the chance to help people learn and improve their lives.

#### **Helpful Piqua High School Electives**

Speech  
Psychology  
Child Development  
Mentoring  
Sociology  
AP Physics  
AP Biology  
AP Chemistry

#### **Upper Valley Career Center Programs**

Early Childhood Education and Care  
Teacher Academy

#### **Edison Community College Offerings**

Early Childhood Education, A.A.S.  
Child Development Associate Short-Term Certificate  
Education-Elementary, A.A.  
Education-Middle School, A.A. and A.S.

## ***Engineering and Science Technologies***

*Is science one of your favorite subjects?  
Do you prepare projects for science fairs?  
Do you enjoy reading science magazines?  
Are you detail-oriented?  
Do you want to know how things work?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in science, technology, engineering, or mathematics.

If you choose to work in the Science, Technology, Engineering, and Mathematics cluster, you have several avenues. One avenue is to do scientific research in laboratories or the field. Another option is to be involved in the planning and design of products and systems. The last avenue is to provide support to the scientists, mathematicians, and engineers so they can do their work.

### **Helpful High School Electives**

AP Biology  
AP Chemistry  
Physics  
AP Physics  
Exploring Technology  
Robotics  
Astronomy  
Sociology  
WSU Pre-Calculus  
WSU Calculus  
AP Statistics  
Engineering Design  
AP/CSU Computer Science Principles  
Launching Into Aviation

### **Upper Valley Career Center Offerings**

Electronics and Automation  
Pre-Engineering and Design Technologies

### **Edison Community College Offerings**

Mechanical Engineering Technology, A.A.S.  
Advanced Manufacturing, certificate and fast track  
CAD, certificate and fast track  
CNC Programming, fast track  
Electronics Engineering Technology, A.A.S.  
Automation and Robotics A.A.S. and certificate  
Electro-Mechanical Engineering A.A.S. and certificate  
Electronics Transfer A.A.S.  
Electronics Networking Certificate and short-term certificate  
Basic Electricity short-term certificate  
Factory Automation short-term certificate  
Industrial Electrical Controls short-term certificate  
Print Reading and Controls short-term certificate

## ***Occupations***

- *Aerospace Engineers*
- *Anthropologists*
- *Archeologists*
- *Astronauts*
- *Bioengineers*
- *Biologists*
- *Biomedical Engineers*
- *Cartographers*
- *Chemists*
- *Civil Engineers*
- *Electrical and Electronics Engineers*
- *Energy Engineers*
- *Engineering Technicians*
- *Environmental Engineers*
- *Environmental Scientists*
- *Geographers*
- *Geologists and Geophysicists*
- *Historians*
- *Industrial Engineers*
- *Manufacturing Engineers*
- *Marine Biologist*
- *Mathematicians*
- *Mechanical Engineers*
- *Meteorologists*
- *Nuclear Engineers*
- *Physicist*
- *Political Scientists*
- *Science Technicians*
- *Sociologists*



# Engineering

I want to be a [Mechanical Engineer](#)

**Piqua HS**  
 4 years CP English/AP English  
 WSU Pre-Calculus  
 AP Statistics  
 WSU Calculus  
 Physics  
 AP Physics  
 Engineering Design  
 Economics  
 Exploring Technology  
 Chemistry/Pre AP Chemistry  
 AP Chemistry  
 AP/CSU Computer Science  
 Principles  
 Robotics

**Upper Valley Career Center**  
 Pre-Engineering and Mechanical  
 Design Technologies

**2-Year College**  
 Mechanical Engineering  
 Technology

**4-Year University**  
 Mechanical Engineering

**Graduate School**  
 Mechanical Engineering

**Ohio Job Outlook**  
 Growth Rate:  
 MET (2-yr): 7%  
 ME (4-yr): 12%

Annual Openings:  
 MET (2-yr): 220  
 ME (4-yr): 1,170

**Median Ohio Salary**  
 MET (2-yr): \$53,920  
 ME (4-yr): \$77,450

I want to be an [Electronics or Electrical Engineer](#)

**Piqua HS**  
 4 years CP English/AP English  
 WSU Pre-Calculus  
 AP Statistics  
 Exploring Technology  
 Sociology  
 Chemistry/Pre AP Chemistry  
 AP Chemistry  
 Physics  
 AP Physics  
 Economics  
 WSU Calculus  
 AP/CSU Computer Science  
 Principles  
 Engineering Design  
 Robotics

**Upper Valley Career Center**  
 Pre-Engineering and Mechanical  
 Design Technologies

**2-Year College**  
 Electronics Engineering  
 Technology

**4-Year University**  
 Electrical Engineering

**Graduate School**  
 Electrical Engineering

**Ohio Job Outlook**  
 Growth Rate:  
 EET (2-yr): -1%  
 EE (4-yr): 7%

Annual Openings:  
 EET (2-yr): 200  
 EE (4-yr): 450

**Median Ohio Salary**  
 EET (2-yr): \$61,540  
 EE (4-yr): \$83,790

I want to work as a [Machinist or Manufacturing Engineer](#)

**Piqua HS**  
 4 years CP English/AP English  
 Exploring Technology  
 Psychology  
 AP Statistics  
 Sociology  
 Chemistry/Pre AP Chemistry  
 AP Chemistry  
 AP Chemistry  
 Physics  
 AP Physics  
 WSU Calculus  
 Engineering Design  
 AP/CSU Computer Science  
 Principles  
 Robotics

**Upper Valley Career Center**  
 Manufacturing and Machining  
 Technologies  
 Welding

**UV Career Center Adult**  
 Precision Tooling and  
 Manufacturing

**2-Year College**  
 MET, Advanced Manufacturing  
 Systems Option

**4-Year University**  
 Manufacturing Engineering

**Graduate School**  
 Industrial Engineering

**Ohio Job Outlook**  
 Growth Rate:  
 Machinist: 3%  
 MET (2-yr): 8%  
 ME (4-yr): 6%

Annual Openings:  
 Machinist: 2,860  
 MET (2yr): 310  
 ME (4-yr): 530

**Median Ohio Salary**  
 Machinist: \$43,630  
 MET (2 yr): \$57,110  
 ME (4-yr): \$96,980

## ***Finance***

*Are you the treasurer of a club or organization?*

*Do you enjoy working with numbers?*

*Do you balance your checkbook?*

*Are you interested in the stock market?*

*Do you like to operate calculators?*

*Are you comfortable following detailed plans for work?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in finance. In the occupations in the Finance cluster, you would keep track of money. You might provide financial services to a business or individual. Your work could include maintaining records or giving advice to business executives on how to operate their business. You could work in financial planning, banking, or insurance.

### **Helpful High School Electives**

Speech

Finance and Banking

Economics

WSU Calculus

AP Statistics

### **Edison Community College Offerings**

Accounting, A.A.B. and certificate

Accounting Clerk short-term certificate

Tax Consultant short-term certificate

Economics, A.S.

Mathematics, A.S.

## ***Occupations***

- *Accountants and Auditors*
- *Actuaries*
- *Appraisers*
- *Bank Tellers*
- *Bill Collectors*
- *Brokerage Clerks*
- *Budget Analysts*
- *Credit Analysts*
- *Credit Checkers*
- *Economists*
- *Financial Analysts*
- *Financial Examiners*
- *Insurance Adjusters*
- *Insurance Agents*
- *Insurance Underwriters*
- *Loan Clerks*
- *Loan Officers*
- *Securities Salespeople*
- *Tax Preparers*
- *Title Examiners*

## Occupations

- *Compliance Officers and Inspectors*
- *Construction and Building Inspectors*
- *Foreign Service Officers*
- *Government Benefits Interviewers*
- *Interpreters and Translators*
- *License Clerks*
- *Mail Carriers*
- *Meter Readers*
- *Postal Clerks*
- *Postmasters and Mail Superintendents*
- *Social and Community Services Managers*
- *Social Science Research Assistants*
- *Tax Examiners*
- *Transportation Inspectors*
- *Urban and Regional Planners*

## Government and Public Administration

*Have you served as an officer of a club or organization?*

*Do you like to plan and organize activities?*

*Are you interested in politics?*

*Would you like to work in another country?*

*Are rules and laws important to you?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in government and public administration.

Through the national, state, and local governments, the public can express its will and make our way of life possible. Through government, individuals can act together to accomplish what cannot be done alone. Most of these actions are carried out only by the government. For example, the federal government includes the military for protection. It also includes ambassadors who represent us in foreign countries. It is Congress that passes laws. The Administration carries out and enforces those laws. You would find almost every occupation within the government. However, this Government and Public Administration career cluster focuses on those occupations that are unique.

### Helpful High School Electives

AP Government

Economics

World Language

Psychology

Sociology

AP World History

AP Statistics

AP Government and Politics

ECC US History

Current Events

Service Learning

## ***Health Science***

*Are science classes your favorite?  
Do you enjoy helping people?  
Have you served as a volunteer in a hospital?  
Do you follow instructions exactly?  
Can you work fast in an emergency?  
Do you take good notes in class?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in health science.

In the Health Science cluster you would promote health and wellness or diagnose and treat injuries and disease. You could work directly with people. Or you could work in laboratories to get information used in research or diagnosis. Health service employees may work in hospitals, offices, or laboratories. Others work on cruise ships, at sports arenas, or within communities.

### **Helpful High School Electives**

Child Development  
AP Chemistry  
AP Biology  
Medical Terminology  
Introduction to Human Body Systems  
Anatomy and Physiology  
Introduction to Healthcare  
Health Careers Lab  
Speech  
Athletic Training  
Sociology  
AP Statistics  
Psychology  
Higher level math classes

### **Upper Valley Career Center Offerings**

Medical Careers Academy  
Exercise Science

### **Edison Community College Offerings**

Emergency Medical Technician short-term certificate  
Medical Assistant certificate  
Medical Lab Technician, A.A.S.  
Clinical Laboratory Assistant certificate  
Registered Nursing, A.A.S.  
LPN/ADN Transition, A.A.S.  
Phlebotomy short-term certificate  
Physical Therapy Assistant, A.A.S.

## ***Occupations***

- *Anesthesiologists*
- *Athletic Trainer*
- *Chiropractor*
- *Dental Hygienists*
- *Dental Lab Techs*
- *Dentist*
- *Dermatologists*
- *Dietitians*
- *Emergency Medical Technicians*
- *Exercise Physiologist*
- *General Practitioner*
- *Health Services Administrators*
- *Home Health Aides*
- *Licensed Practical Nurses*
- *Massage Therapists*
- *Medical Assistants*
- *Medical Lab Techs*
- *Medial Scientists*
- *Medical Secretaries*
- *MRI Technologist*
- *Nuclear Medicine Technologies*
- *Nurse Anesthetists*
- *Nurse Practitioners*
- *Gynecologists*
- *Optometrists*
- *Pediatrician*
- *Pharmacists*
- *Phlebotomists*
- *Physical Therapists*
- *Physicians Assistants*
- *Podiatrists*
- *Psychiatrist*
- *Radiologists*
- *Registered Nurses*
- *Surgeons*

## *Health Sciences*

I want to be a [Nurse](#)

I want to be a [Medical Lab Technician](#)

I want to be a [Physical Therapist](#) or [Physical Therapist Assistant](#)

**Piqua HS**  
 4 years CP English/AP English  
 4 years CP Math  
 WSU Pre-Calculus  
 AP Statistics  
 Psychology  
 Chemistry  
 Intro to Human Body Systems  
 Medical Terminology  
 Anatomy and Physiology  
 Intro to Healthcare  
 Health Careers Lab

**Piqua HS**  
 4 years CP English/AP English  
 4 years CP Math  
 WSU Pre-Calculus  
 AP Statistics  
 Sociology  
 Psychology  
 Chemistry  
 Intro to Human Body Systems  
 Medical Terminology  
 Anatomy and Physiology  
 Intro to Healthcare  
 Health Careers Lab

**Piqua HS**  
 4 years CP Eng/AP Eng  
 4 years CP Math  
 WSU Pre-Calculus  
 Chemistry  
 AP Physics  
 Sociology  
 Psychology  
 Athletic Training  
 Intro to Human Body Systems  
 Medical Terminology  
 Anatomy and Physiology  
 Intro to Healthcare  
 Health Careers Lab

**Upper Valley Career Center**  
 Medical Careers Academy

**Upper Valley Career Center**  
 Medical Careers Academy

**Upper Valley Career Center**  
 Exercise Science

**Upper Valley CC Adult Ed**  
 LPN

**2-Year University**  
 Registered Nursing  
 LPN to RN Program

**4-Year University**  
 Bachelor of Science in  
 Nursing

**Graduate School**  
 Nurse Practitioner

**2-Year University**  
 Medical Laboratory  
 Technician

**4-Year University**  
 Medical Laboratory Science

**Graduate School**  
 Medical Laboratory Science

**2-Year University**  
 Physical Therapy Assistant

**4-Year University**  
 Pre-Physical Therapy

**Graduate School**  
 Physical Therapy

**Ohio Job Outlook**  
 Growth Rate:  
 LPN: 10%  
 RN: 14%  
 NP: 30%

Annual Openings:  
 LPN: 3,330  
 RN: 8,850  
 NP: 570

**Ohio Job Outlook**  
 Growth Rate:  
 MLT: 11%  
 MLS: 12%

Annual Openings:  
 MLT: data unavailable  
 MLS: 430

**Ohio Job Outlook**  
 Growth Rate:  
 PTA: 27%,  
 PT: 21%

Annual Openings:  
 PTA: 1,010  
 PT: 530

**Median Ohio Salary**  
 LPN: \$43,270  
 RN/BSN: \$64,200  
 NP: \$101,010

**Median Ohio Salary**  
 MLT: \$54,620  
 MLS: \$67,850

**Median Ohio Salary**  
 PTA: \$58,200  
 PT: \$86,970

## ***Hospitality and Tourism***

*Can you talk easily with all kinds of people and put them at ease?*

*Do you participate in athletic activities?*

*Do you enjoy travel?*

*Have you worked in a restaurant?*

*Do you like to plan family recreational activities?*

*Do you like to cook?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in hospitality and tourism.

In the Hospitality and Tourism cluster, you could work in a restaurant, hotel, sports arena, or travel agency. You might manage operations of a college cafeteria. Or you might guide high school students on a trip to Spain. Or you might rent equipment at a recreation center.

### **Helpful High School Electives**

World Languages

Culinary Fundamentals

Global Foods

Nutrition and Wellness

Speech

### **Upper Valley Career Center Offerings**

Culinary Arts

## ***Occupations***

- *Baggage Porters and Bellhops*
- *Baristas*
- *Caterers*
- *Chefs and Dinner Cooks*
- *Concierges*
- *Counter Attendants*
- *Fast Food Cooks*
- *Food Preparation Workers*
- *Hotel and Motel Managers*
- *Janitor and Housekeeper Supervisors*
- *Recreation Attendants*
- *Recreation Workers*
- *Reservation and Ticket Agents*
- *Restaurant Hosts*
- *Restaurant Managers*
- *Tour Guides*
- *Travel Agents*
- *Waiters and Waitresses*
- *Wedding Planners*

## *Occupations*

- *Addictions Counselors*
- *Barbers*
- *Child Care Workers*
- *Clergy*
- *Customer Service Representatives*
- *Embalmers*
- *Financial Counselors*
- *Funeral Attendants*
- *Funeral Directors*
- *Genetic Counselors*
- *Hairstylists and Cosmetologists*
- *Dry Cleaning Workers*
- *Manicurists*
- *Marriage and Family Therapists*
- *Mental Health Counselors*
- *Professional Organizers*
- *Psychologist*
- *Rehabilitation Counselors*
- *Residential Counselors*
- *School Counselors*
- *School Psychologists*
- *Social and Human Services Assistants*
- *Social Workers*
- *Tattoo Artists*

## ***Human Services***

*Do you help friends with their personal problems?*

*Have you planned programs for school or community organizations?*

*Are you a good listener?*

*Do you care about people and want to help in some way?*

*Have you cared for children or done babysitting?*

*Do you like to help friends and family members look their best?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in human services.

In the Human Services cluster, you would work with individuals and families to meet their personal needs.

### **Helpful High School Electives**

Child Development

Psychology

Sociology

Speech

Mentoring

AP World History

AP Statistics

World Languages

### **Upper Valley Career Center Offerings**

Cosmetology

Nails Technologies

Early Childhood Education and Care

### **Edison Community College Offerings**

Social Services, A.A.S.

Social Work, A.A.

Psychology, A.A. or A.S.

Philosophy, A.A.

Rehabilitation Services, A.A.

## ***Information Technology***

*Do you enjoy working with computers and learn new programs quickly?*

*Have you created your own webpage?*

*Is mathematics a favorite subject?*

*Are you organized and able to focus on details?*

If you answered yes to two or more of the questions above, you might be interested in a career in information technology.

Information Technology (IT) is an area that is growing and always changing with new developments. In IT, you would be part of a cluster that continues to make an impact on society and individuals. You would have the opportunity to work in all types and sizes of businesses.

Employees in Information Technology work with computer hardware, software, multimedia, and network systems. In this cluster, you might design new computer equipment or computer games. Or you might make sure that the software or networks are working. In addition, you might have to make sure that people know how to use them. Or you might manage whole networks that link workers in all parts of the world.

### **Helpful High School Electives**

AP/CSU Computer Science Principles

WSU Pre-Calculus

WSU Calculus

AP Statistics

Piqua Digital Weekly

Introduction to Design

Visual Design

Digital Video

Interactive Design

Photoshop

Premiere Pro

### **Upper Valley Career Center Offerings**

Computer Information Technologies

Interactive Media

### **Edison Community College Offerings**

Business Systems, A.A.B. and certificate

Cybersecurity, A.A.B.

Network Administration, A.A.B.

Systems Administration, A.A.B. and certificate

Web Development, A.A.B.

Computer Engineering, A.S.

CIS certificate

Database Specialist certificate

Networking certificate

Programming certificate and short-term certificate

Basic Computer Skills short-term certificate

Help Desk short-term certificate

Software Testing short-term certificate

## ***Occupations***

- *Computer and Information Systems Managers*
- *Computer Engineers*
- *Computer Security Specialists*
- *Computer Support Specialists*
- *Computer Systems Administrators*
- *Computer Systems Analysts*
- *Database Administrators*
- *Web Developers*



## *Information Technology*

I want to work as a [Computer Programmer](#), [Information Systems Manager](#), or [Computer Security Specialist](#)

### **Piqua HS**

4 years CP English/AP English  
WSU Pre-Calculus  
AP Statistics  
Sociology  
Psychology  
WSU Calculus  
Physics  
AP Physics  
Engineering Design  
Intro to Design  
Visual Design  
Digital Video  
Premiere Pro  
AP/CSU Computer Science Principles  
Piqua Digital Weekly

**Upper Valley Career Center**  
Interactive Media  
Computer Information Tech

### **2-Year University**

Computer Information Technology

### **4-Year University**

Computer Science

### **Graduate School**

Masters of Business Admin  
Management Information Systems

### **Ohio Job Outlook**

Growth Rate:  
CP: -16%  
ISM: 5%  
CSS: 26%

Annual Openings:  
CP: 240  
ISM: 1,060  
CSS: 290

### **Median Ohio Salary**

CP: \$72,780  
ISM: \$124,750  
CSS: \$89,370

## ***Law and Public Safety***

*Are you able to work under pressure?  
Can you work with various kinds of people?  
Do you like to help people?  
Can you work in the face of danger?  
Are you good at winning arguments?  
Do you instruct friends and family members on laws and regulations?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in law, public safety, or security.

If you are interested in working in this cluster, you have several options. One option is to guard the public by enforcing the law. Or you might provide fire protection and security. Another option is to provide legal services to people who commit crimes.

### **Helpful High School Electives**

AP Government  
World Language  
Psychology  
Speech  
Law Enforcement Pre-Apprenticeship

### **Edison Community College Offerings**

Criminal Justice, A.A.S. and A.A.  
Criminal Justice/Computer Forensics, A.A.S.  
Peace Officer Academy short-term certificate  
Paralegal Studies, A.A.B.  
Emergency Medical Technician short-term certificate

## ***Occupations***

- *Ambulance Drivers*
- *Animal Control Workers*
- *Mediators*
- *Bailiffs*
- *Border Patrol Agents*
- *Coroners*
- *Corrections Officers*
- *Court Clerks*
- *Crossing Guards*
- *Detectives*
- *Emergency Management Specialists*
- *Fire Fighters*
- *Fire Inspectors*
- *Fire Investigators*
- *Forensic Science Technicians*
- *Judges*
- *Law Clerks*
- *Lawyers*
- *Legal Secretaries*
- *Life Guards and Ski Patrollers*
- *Paralegals*
- *Parking Enforcement Officers*
- *Police Supervisors*
- *Police Patrol Officers*
- *Private Detectives*
- *Probation Officers*
- *Secret Service Agents*
- *Security Guards*
- *Sheriffs*
- *Transportation Security Agents*

## **Occupations**

- *Chemical Engineers*
- *Chemical Plant Operators*
- *Coin and Vending Machine Repairs*
- *Forklift Operators*
- *Geothermal Technicians*
- *Home Electronic Repairs*
- *Hydroelectric Production Managers*
- *Jewelers*
- *Locksmiths*
- *Machinists*
- *Packers and Packers*
- *Power Plant Operators*
- *Precision Assemblers*
- *Quality Control Inspectors*
- *Safety Engineers*
- *Security/Fire Alarm Systems Installers*
- *Sewing Machine Operators*
- *Shoe and Leather Workers*
- *Tailors*
- *Tool and Die Makers*
- *Tool Grinders*
- *Watch Repairers*
- *Welders*
- *Wind Turbine Technicians*
- *Woodworking Machine Operators*

## **Manufacturing Technologies**

*Are you good with working with your hands?*

*Can you explain to others how a machine works?*

*Do you set up and repair stereo equipment for yourself or friends?*

*Do you enjoy reading the latest developments in electronics?*

*Can you visualize how a machine works?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in manufacturing, installation, or repair.

In the Manufacturing career cluster, you can choose one of several options. You might design a new product or determine how the product will be made. Another option is to make the product. The final option is to install and repair the product once it has been purchased.

### **Helpful High School Electives**

Exploring Technology

AP/CSU Computer Science Principles

Engineering Design

Robotics

Mechatronics I and II

### **Upper Valley Career Center Offerings**

Electronics

Manufacturing and Machining Technologies

Welding

### **Edison Community College Offerings**

Industrial Operations, A.A.S.

Operations Technology, A.A.S. and certificate

Supply Chain Management certificate and short-term certificate

Basic Human Relations short-term certificate

Lean Manufacturing short-term certificate

Manufacturing Management short-term certificate

Quality Management short-term certificate

Six Sigma short-term certificate

## **Marketing**

*Do you sell advertising space for the school yearbook or newspaper?*

*Do you like to do public speaking or debating?*

*Are you good at organizing your own time?*

*Have you helped convince people to participate in an activity?*

*Are you friendly and outgoing?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in marketing, sales, and service.

If you are interested in working in the Marketing cluster, you would help businesses sell products. You might advertise and promote products so customers would want to buy them. Or you might sell products and services directly to customers. Or you might use the Internet to reach customers.

### **Helpful High School Electives**

Newspaper  
Speech  
Yearbook  
AP Statistics  
WSU Pre-Calculus  
WSU Calculus  
Economics  
Introduction to Design  
Visual Design  
Digital Video  
Interactive Design  
Premiere Pro

### **Edison Community College Offerings**

Marketing, A.A.B. and certificate  
Real Estate certificate and short-term certificate

## **Occupations**

- *Advertising Salespeople*
- *Buyers and Purchasing Agents*
- *Cashiers*
- *Counter and Rental Clerks*
- *Customer Service Manager*
- *Demonstrators and Promoters*
- *Floral Designers*
- *Market Research Analysts*
- *Marketing Managers*
- *Merchandise Displayers*
- *Models*
- *Opticians*
- *Parts Salespeople*
- *Public Relations Managers*
- *Purchasing Managers*
- *Real Estate Agents*
- *Retail Salespeople*
- *Route Salespeople*
- *Sales Managers*
- *Sales Representatives*
- *Sales Worker Supervisors*
- *Telemarketers*

## *Occupations*

- *Air Traffic Controllers*
- *Aircraft Mechanics*
- *Airplane Pilots*
- *Auto Body Repairers*
- *Bus and Truck Mechanics*
- *Bus Drivers*
- *Deckhands*
- *Dispatchers*
- *Flight Attendants*
- *Freight Handlers*
- *Heavy Equipment Mechanics*
- *Heavy Truck Drivers*
- *Light Truck Drivers*
- *Locomotive Engineers*
- *Motorboat Mechanics*
- *Motorcycle Mechanics*
- *Parking Lot Attendants*
- *Riggers*
- *Service Station Attendants*
- *Ship Engineers*
- *Taxi Drivers and Chauffeurs*
- *Train Conductors*
- *Transportation Agents*
- *Vehicle Cleaners*

## ***Transportation Systems***

*Would you enjoy working outdoors in all kinds of weather?*

*Do you have good eyesight and quick reflexes?*

*Can you estimate distances accurately?*

*Do you drive trucks or tractors to do work on a farm?*

*Would you like to learn to fly an airplane?*

*Do you repair your or your family and friends' vehicles?*

*Do you like to read automotive or mechanical magazines?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in transportation, distribution, and logistics.

If you are interested in working in this cluster, you have three avenues. One is to move people and products by road, air, rail, or water. You would drive or pilot different means of transportation. The second is to repair and maintain the vehicles, trains, planes, and ships to keep people and products moving. The third option is to work behind the scenes to make sure the products and people get to the right place on time.

### **Helpful High School Electives**

Exploring Technology  
Engineering Design  
Robotics  
Launching Into Aviation

### **Upper Valley Career Center Offerings**

Auto Collision Repair Technologies  
Auto Services  
Automotive Technologies

### **Edison Community College Offerings**

Professional Pilot, A.A.S.  
Single-Engine Commercial Pilot certificate

## *Four-Year Schedule*

Check one box for your intended career plans:

- College  
 Employment  
 Military  
 Undecided

Do you want to attend the Upper Valley Career Center? \_\_\_\_\_

What do you want to study after high school? \_\_\_\_\_

9 <sup>th</sup>	Semester I: Course and Number	Semester II: Course and Number	Credits
1			
2			
3			
4			
5			
6			
7			

10 <sup>th</sup>	Semester I: Course and Number	Semester II: Course and Number	Credits
1			
2			
3			
4			
5			
6			
7			

11 <sup>th</sup>	Semester I: Course and Number	Semester II: Course and Number	Credits
1			
2			
3			
4			
5			
6			
7			

12 <sup>th</sup>	Semester I: Course and Number	Semester II: Course and Number	Credits
1			
2			
3			
4			
5			
6			
7			

# English

## **112 ENGLISH 9 COLLEGE PREP**

**GRADE: 9**

**PREREQUISITE:** Passing English 8

**1 CREDIT**

The course will concentrate on reading, writing in various genres including a research project and using communication skills needed for successful completion of college. Students will study a variety of literary genres, use analytical and critical thinking skills, and learn advanced composition skills. Grammar skills will be reinforced. Requirements for this class include independent reading, independent study, group work, in-class reading and discussion, and at least one classic novel. Students are expected to complete homework on a regular basis.

## **113 PRE-AP ENGLISH 9**

**GRADE: 9**

**PREREQUISITE:** B English 8, Accelerated or Advanced on AIR

**1 CREDIT**

Students are required to complete a summer assignment. This course is for students who are planning to take Advanced Placement (AP) English in their junior and/or senior year. It is recommended for students who are highly motivated and definitely college-bound. The course concentrates on extensive reading, writing, analysis, and vocabulary. Students in this class should have a working knowledge of the rules of grammar and of literary elements and terms. Students should be able to work independently. Selections follow the College Board's recommendation for pre-AP ninth grade reading.

## **122 ENGLISH 10 COLLEGE PREP**

**GRADE: 10**

**PREREQUISITE:** English 9 CP or teacher approval

**1 CREDIT**

This course is designed for the student planning to attend college. Students will be studying world literature with an emphasis on the 10th grade Ohio Academic Standards, including the areas of reading, writing, acquisition of vocabulary, research, and oral and visual communications. Collaborative learning and independent study will be used to complete projects and assignments.

## **123 PRE-AP ENGLISH 10**

**GRADE: 10**

**PREREQUISITE:** C or better in Pre-AP Eng 9 or Eng 9 CP  
with teacher approval

**1 CREDIT**

Students are required to complete a summer assignment. This course is designed for students who are planning to take Advanced Placement English in their junior and/or senior year. Extensive reading and writing will be the focus. Oral participation and organizational and time management skills are essential for success. Thematic studies of literature will concentrate on analytical and critical thinking skills. Students should be able to work independently.



**131 ENGLISH 11****PREREQUISITE:** English 10**GRADES: 11****1 CREDIT**

This class is for students who need to improve their reading comprehension, writing skills, and vocabulary. Students will be studying America literature with an emphasis on the 11<sup>th</sup> grade Ohio Academic Standards, including the areas of reading, writing, acquisition of vocabulary, research, and oral and visual communication. The NCAA does not accept this course.

**132 ENGLISH 11 COLLEGE PREP****PREREQUISITE:** English 10 CP or Teacher Approval**GRADES: 11****1 CREDIT**

American literature, composition, vocabulary, and oral communication are the focus of English 11. Students who take this class should be planning to attend a four-year college or university after graduation. Students are expected to work independently and utilize critical thinking skills. Students will also prepare to take the ACT and SAT tests for admission to college.

**133 AP ENGLISH LANGUAGE AND COMPOSITION****PREREQUISITE:** Pre-AP Eng 10 or Eng 10 CP with teacher approval**GRADES: 11****1 CREDIT**

Students are required to complete a summer assignment. It is strongly recommended that students planning to attend a selective four-year university after graduation consider taking this course regardless of planned major. Advanced Placement Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students will discover the interactions among a writer's purposes, audience expectations, and subjects as well as the way conventions and the resources of language contribute to effectiveness in writing. Writing assignments focus on expository, analytical, and argumentative essays as well as personal and reflective writing. A focused research project will be required towards the end of the course. The course prepares students for the AP test in the spring when college credit may be earned. Students must have access to a working, reliable printer as multiple copies of essay assignments are required for peer review.

**155 SPEECH COMMUNICATIONS****PREREQUISITE:** None**GRADES: 10-12****1 CREDIT**

Students will learn about the communication process and the types of oral communication, concentrating on public speaking. Students will research, compose, and deliver informative, process, and persuasive speeches. Listening to and evaluating others' speeches will also be stressed. *This course is for elective credit only.*

# English

# English

## **141 ENGLISH 12**

**GRADES: 12**

**PREREQUISITE:** English 11

**1 CREDIT**

Students will review and continue to improve their reading, writing, and vocabulary skills in this class. Students will also work on collaborative and organizational skills. There is an emphasis on reading process skills and opportunity for literary analysis. Writing will focus on a variety of purposes and audiences. The course will be divided into quarterly themes which will be explored through various novels, memoirs, non-fiction texts, plays, poems, short stories, and current events from around the world. The NCAA does not accept this course.

## **142 ENGLISH 12 COLLEGE PREP**

**GRADES: 12**

**PREREQUISITE:** English 11 CP

**1 CREDIT**

Students enrolling in this course should be planning to attend a two-year or four-year university. Emphasis will be on developing post-secondary skills in reading comprehension, advanced composition, research, vocabulary, and collaborative activities. An independent, substantial, literary-based research project will be required of all students. The course will be divided into quarterly themes which will be explored through various novels, memoirs, non-fiction texts, plays, poems, short stories, and current events from around the world. Students should expect to invest time outside of class in reading. Those who do not study regularly do not tend to be successful in this class.

## **143 AP ENGLISH LITERATURE AND COMPOSITION**

**GRADE: 12**

**PREREQUISITE:** AP Eng Lang & Comp or English 11 CP with teacher approval

**1 CREDIT**

Students are required to complete a summer assignment. It is strongly recommended that students planning to attend a selective four-year university after graduation consider taking this course regardless of planned major. Advanced Placement Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through an intensive study of representative works from various genres and periods, accompanied by thoughtful discussion and writing, students should deepen their understanding of the ways authors use language to provide meaning. Careful attention to both textual detail and historical context will be considered when analyzing the works. Writing assignments focus on the critical analysis of literature, and include expository, analytical, and argumentative essays. The course prepares students for the AP test in the spring where college credit may be earned. The AP Literature and Composition course develops critical and analytical reading and writing skills.

**151 YEARBOOK****GRADES: 10-12****PREREQUISITE:** Application and teacher approval**1 CREDIT**

The purpose of the Yearbook Class is to develop the skills needed to produce a quality high school yearbook. Emphasis is placed on writing, graphics, photography, and advertising. Students will participate in all phases of production. Journalistic writing, photography analysis, and promotional advertising will be studied and used as the book is created. Students with photography experience and interest in writing or business management are especially encouraged to enroll. Yearbook work is frequently time consuming, and students will be required to participate in some after school sessions. There will be a summer assignment. *This course is for elective credit only.*

**150 NEWSPAPER WRITING****GRADES: 9-12****PREREQUISITE:** Teacher approval**1 CREDIT**

The purpose of Newspaper Writing will be to develop the skills needed to write publishable newspaper articles. Emphasis will be placed on deciding what is a newsworthy item, writing a good lead, interviewing for information, and creating interesting titles. Students may be writing articles for the school newspaper *The Tomahawk Beat*, which is published online, as well as *Smoke Signals*, which appears in the local paper, *The Piqua Daily Call*, once a week. They will be required to meet weekly deadlines, and may have to do some reporting outside of the school day. Photography and graphic design experience, while not required, is also a plus for this class. *This course is for elective credit only.*

**144 ECC ENGLISH COMPOSITION I****GRADES: 9-12****PREREQUISITE:** Meet Edison CCP requirements**1 CREDIT**

Study and practice of essay writing by reading published authors and producing college-level writing for a variety of audiences and purposes. Employs critical thinking and analytical skills in both formal and informal writing. Formal writing is based on reporting information, narration, analysis, and research. All writing will stress Standard English, organization and style. Students will receive 3 credits for ENG 121s English Composition I from Edison State Community College.

*\* This course may reflect a typical college course schedule offered for two periods, two days per week.*

**145 ECC ENGLISH COMPOSITION II****GRADES: 9-12****PREREQUISITE:** Meet Edison CCP requirements**1 CREDIT**

Study and practice of essay writing, including formal essays, reviews, and research papers, based on the study of logic and library research. Writings will stress organization, argument, referencing techniques, and the use of standard English. Students will receive 3 credits for ENG 122s English Composition II from Edison State Community College. *\* This course may reflect a typical college course schedule offered for two periods, two days per week.*

**English**

## **310/311 ALGEBRA I & MATH RTI SUPPORT I**

**GRADE: 9**

**PREREQUISITE:** Teacher approval

**2 CREDITS**

This course will meet the requirements of the Common Core Standards for Algebra I. The course will include pre-algebra, linear algebra, polynomials, functions, exponents, and quadratic equations. Problem solving techniques and application of math concepts to real situations will be the emphasis of this course. This course will meet 2 consecutive periods per day, and it requires the ability to learn both independently and in small groups. Students must pass 16 Algebra units to earn an Algebra credit, thus allowing them to move on to Geometry. The Math RTI Support class counts as elective credit. To qualify for this course, students must take an Algebra Readiness Assessment in 8<sup>th</sup> grade AND be recommended by their math teacher. Materials Needed: A TI-84 Plus calculator.

## **312 ALGEBRA I**

**GRADES: 9**

**PREREQUISITE:** None

**1 CREDIT**

This course meets the requirements of the Common Core Standards for Algebra I. The course will include pre-algebra, linear algebra, polynomials, functions, exponents, and quadratic equations. Problem solving techniques and application of math concepts to real situations will be the emphasis of this course. Materials Needed: A TI-84 Plus calculator.

## **322 GEOMETRY**

**GRADES: 9-12**

**PREREQUISITE:** Algebra I

**1 CREDIT**

This course will meet the requirements of the Common Core Standards for Geometry. The course will include plane geometry, logical reasoning, right triangle trigonometry, and probability. Problem solving techniques and application of math concepts to real situations will be the emphasis of this course. Materials Needed: A TI-84 Plus calculator.

## **331 ALGEBRA II and MATH RTI SUPPORT III**

**GRADES: 9-12**

**PREREQUISITE:** Geometry

**2 CREDITS**

This course is designed for students who had difficulty in Geometry and are not prepared for an Algebra II course at this time. Topics covered include algebraic concepts, geometric concepts, functions, and graphing calculator skills. Successful completion of this course will allow students to move onto Algebra II. *This course will NOT fulfill the graduation requirement for Algebra II.* The Math RTI Support class counts as an elective credit. This course does not meet NCAA clearinghouse requirements. Materials Needed: A TI-84 Plus calculator.

## **346 ECC QUANTITATIVE REASONING**

**GRADES: 9-12**

**PREREQUISITE:** Meet Edison CCP requirements

**1 CREDIT**

Math course for non-STEM Majors designed to acquaint students with the nature of mathematics and problem solving using logical reasoning skills. Students will earn 3 credits of MTH 120S Quantitative Reasoning from Edison State Community College. *\* This course may reflect a typical college course schedule offered for two periods, two days per week.*

**332 ALGEBRA II****GRADES: 9-12****PREREQUISITE:** Alg C, Pass Algebra EOC Exam or PreAlg II**1 CREDIT**

This course will meet the requirements of the Common Core Standards for - Algebra II. The course will include linear algebra, polynomial functions, - exponential and logarithmic functions, rational equations, trigonometry, and data analysis. Problem solving techniques and application of math concepts to real situations will be the emphasis of this course. This course will fulfill the graduation requirement for Algebra II. Materials Needed: A TI-84 Plus calculator.

**333 ADVANCED ALGEBRA II****GRADES: 9-12****PREREQUISITE:** A/B in Algebra and Geometry or teacher approval**1 CREDIT**

This course will meet the requirements of the Common Core Standards for Algebra II. The course will include linear algebra, polynomial functions, exponential and logarithmic functions, rational equations, trigonometry, and data analysis. Problem solving techniques and application of math concepts to real situations will be the emphasis of this course. These topics will be studied in more depth than in Algebra II. Advanced Algebra II will also include the study of arithmetic and geometric sequences and series, the binomial theorem, polynomial functions, and the remainder and factor theorems. This course will fulfill the graduation requirement for Algebra II. Materials Needed: A TI-84 Plus calculator.

**343 PRE-CALCULUS****GRADES: 10-12****PREREQUISITE:** A/B in Algebra II & Geometry**1 CREDIT**

Pre-Calculus is designed for the college bound student. This course will give the student the necessary background to succeed in math at the college level. Emphasis is placed on using mathematical concepts to solve practical application problems, such as compound interest, growth and decay, etc. Students will learn about graphing linear and quadratic equations, polynomials as well as rational, exponential, and logarithmic functions. Trigonometry topics include basic trigonometric ratios, radians as an angle measure, trigonometric functions and their graphs, trigonometric identities, trigonometric description of complex numbers and roots and powers of real and complex numbers. Materials Needed: A TI-84 Plus calculator.

**344 WSU PRE-CALCULUS****GRADES: 10-12****PREREQUISITE:** Algebra II, Geometry, WSU CCP requirements**2 CREDITS**

This is a college level class. Students will receive 4 credits in Math 1280 College Algebra and 3 credits in Math 1350 Analytical Geometry and Trigonometry from Wright State University. This course is one period long. Emphasis is placed on using mathematical concepts to solve practical application problems, such as compound interest, growth and decay, etc. Students will learn about graphing linear and quadratic equations, polynomials as well as rational, exponential, and logarithmic functions. Trigonometry topics include basic trigonometric ratios, radians as an angle measure, trigonometric functions and their graphs, trigonometric identities, trigonometric description of complex numbers and roots and powers of real and complex numbers. Materials Needed: A TI-84 Plus calculator. *\*This course may reflect a typical college course schedule offered for two periods, two days per week.*

**Math**

**350 AP STATISTICS****GRADES: 10-12****PREREQUISITE:** Algebra II**1 CREDIT**

The purpose of Advanced Placement Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. The course prepares students for the AP test in the spring where college credit may be earned. Materials Needed: A TI-84 Plus calculator.

**351 WSU CALCULUS****GRADES: 11-12****PREREQUISITE:** Pre-Calculus, meet WSU CCP requirements**2 CREDITS**

This is a college level class. Students will receive 4 credits in Math 2300 Calculus I and 4 credits in Math 2310 Calculus II from Wright State University. This course is one period long. In the first semester, students will examine limits, the derivative, differentiation, applications of the derivative, antiderivatives, Riemann sums, the definite integral, and the Fundamental Theorem of Calculus. In the second semester, students will investigate integration techniques, applications of the definite integral, first-order differential equations, vectors and vector operations, parametric equations and polar coordinates, and indefinite series. The option will be given to take the AP Calculus BC Exam in May per the student's request. Materials Needed: A TI-84 Plus calculator. *\*This course may reflect a typical college course schedule offered for two periods, two days per week.*

**352 AP CALCULUS AB****GRADES: 11-12****PREREQUISITE:** Pre-Calculus**1 CREDIT**

Advanced Placement Calculus AB is designed to both utilize and expand upon the algebraic and trigonometric concepts learned in Pre-Calculus and previous math courses. It is to introduce the student to a rigorous study of both differential and integral calculus, which a student would typically encounter in a first year college calculus course. In addition, material will also cover an introduction to sequences and series, differential equations and vectors. Students will have the opportunity to earn college credit by taking the AP Calculus AB exam in the spring.

**353 FINANCE & BANKING****GRADE: 12****PREREQUISITE:** None**1 CREDIT**

The subject content is designed to provide students an opportunity to apply the math skills/concepts they have learned throughout high school to real life situations involving personal finance and investments. Topics include wages, taxes, loans, checking and savings accounts, budgeting, credit cards, insurance, transportation, and politics. This class does not meet the NCAA's standards for core Math. It is designed to meet State Financial Literacy requirements. Materials needed: scientific calculator.

Students may decide to double up in science. Freshman students may double up Core Physical Science and Biology. Sophomore students may double up Biology and Chemistry (Not Pre-AP Chem). All science courses are one period long with the exception of Pre-AP Chemistry, AP Physics C, and AP Chemistry.

**411 PHYSICAL SCIENCE**

**GRADES: 9**

**PREREQUISITE:** None

**1 CREDIT**

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Core Physical Science addresses the state's ninth grade standards. The first semester will focus on the basic physics topics such as reference point of view, motion, Newton's Laws, energy, and the transfer of energy. The second semester will focus on the basic chemistry topics such as physical/chemical properties, atomic theory, atomic structure, bonding, law of conservation, and nuclear chemistry. Materials Needed: calculator. School fee: \$10

**412 BIOLOGY**

**GRADES: 9-10**

**PREREQUISITE:** None

**1 CREDIT**

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Biology is a college prep level course designed to address the state's tenth grade standards and teach the fundamental principles of modern life science. Biology will include and expand upon basic concepts such as measurement, graphing, and laboratory procedures. The course will be taught on a pre-college level and will include the following topics: evolution, genetics and heredity, cell structure and function, ecology classification systems, and life processes. School fee: \$10

**413 PRE-AP BIOLOGY**

**GRADES: 9**

**PREREQUISITE:** Current science teacher approval

**1 CREDIT**

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Pre-AP Biology is an advanced college prep level course and is designed to prepare the student for AP Biology. Basic science concepts such as measurement, graphing and lab practices will be reinforced. The bulk of the topics will include; but are not limited to the following: ecology/ecosystems, animal behavior, DNA, gene expression, cellular processes, genetics, and evolution. Course Fee: \$15

**422 CHEMISTRY**

**GRADES: 10-12**

**PRE/COREQUISITE:** Geometry

**1 CREDIT**

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Chemistry is a college prep level course designed to teach the fundamental concepts of matter, its properties and interactions. Basic science concepts such as measuring, graphing, and analyzing data will be reinforced. The bulk of the topics covered will include atomic theory and structure, the mole concept, states of matter, nomenclature, reactions stoichiometry bonding, acids and bases, and organic chemistry. Materials Needed: scientific calculator. School fee: \$10.

# Science

# Science

## **423 PRE-AP CHEMISTRY**

**GRADES: 10-12**

**PREREQUISITE:** Biology and Geometry

**2 CREDITS**

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Pre-AP Chemistry is an advanced college prep level course and is designed to prepare the student for AP Chemistry. *This course will take two periods.* Basic science concepts such as measuring, graphing, and analyzing data will be reinforced, along with an introduction to advanced problem solving. The bulk of the topics will include; but are not limited to the following: atomic theory and structure, the mole concept, states of matter, nomenclature, reactions, stoichiometry, bonding, electrochemistry, kinetics, equilibrium, and organic chemistry. Course Fee: \$15.

## **432 PHYSICS I**

**GRADES: 10-12**

**PRE/COREQUISITE:** Biology or Chemistry

**1 CREDIT**

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Physics is a college prep level course and is designed to teach the fundamental concepts of modern physics. Basic science concepts such as measuring, graphing and analyzing data will be reinforced. The bulk of the topics covered will include forces, motion, energy, electricity, thermodynamics, light, sound, and atomic structure. Materials Needed: Notebook and scientific calculator. School fee: \$10.

## **442 PHYSICS II**

**GRADES: 10-12**

**PRE/COREQUISITE:** Biology or Chemistry, Physics

**1 CREDIT**

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Physics II is a college prep level course and is designed to teach the fundamental concepts of modern physics. This course is taught at a slightly slower pace than AP Physics II and may not go as in-depth on some of the topics. Being a college prep level course emphasis is placed on critical thinking and mathematical problem solving. Topics include Fluids, Temperature and Heat, Kinetic Theory/Thermodynamics, Conductors & Capacitors, Current Electricity, Magnetic Fields, Light and Optics, Modern Physics. School fee: \$10.

## **453 AP PHYSICS I**

**GRADES: 10-12**

**PREREQUISITE:** Physics 1

**1 CREDIT**

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Advanced Placement Physics 1 is a college level ALGEBRA-BASED physics course. The objective of this course is to prepare students for the AP exam given in May, which can qualify the student to receive up to one semester of college lecture and lab credit for non-major freshman physics. More emphasis is placed on mathematical problem solving and critical thinking. Topics include: kinematics, dynamics, work, power, energy, linear momentum, circular motion and rotation, gravitation, oscillation, waves, electrostatics, and current electricity. School fee: \$15



## **460 ANATOMY AND PHYSIOLOGY**

**GRADES: 10-12**

**PREREQUISITE:** Biology

**1 CREDIT**

Anatomy and Physiology is a course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. Students will study the major body systems and understand how the body systems work together to provide homeostasis along with how the body functions in the healthy and diseased states. The class is designed for students interested in biological, medical, and health-oriented programs, such as nursing, medicine, and lab technology.

## **459 ECC ANATOMY AND PHYSIOLOGY**

**GRADES: 10-12**

**PRE/COREQUISITE:** Meet Edison CCP requirements

**2 CREDITS**

Anatomy and Physiology is a course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. Students will study the major body systems and understand how the body systems work together to provide homeostasis along with how the body functions in the healthy and diseased states. The class is designed for students interested in biological, medical, and health-oriented programs, such as nursing, medicine, and lab technology. Student will earn 4 credits for BIO 125S Anatomy and Physiology I and 4 credits for BIO 126S Anatomy and Physiology II from Edison State Community College.

## **450 ASTRONOMY**

**GRADES: 11-12**

**PREREQUISITE:** Physical Science & Biology

**1 CREDIT**

Astronomy is a course designed for students of all levels who wish to learn more about the universe. The topics to be covered include, but are not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars. The class involves some algebra-level math. Activities will include several major, long-term projects, as well as daily activities, notes and labs.

## **451 AP BIOLOGY**

**GRADES: 11-12**

**PREREQUISITE:** Pre-AP Bio, Pre-AP Chem, & Alg II or teacher approval

**1 CREDIT**

Biochemistry, bioenergetics, cytology, taxonomy, molecular biology, genetics and ecology are studied in a college laboratory setting. The objective of this course is to prepare students for the AP exam in May, which can qualify the student to receive college credit. At least an hour of homework each night should be expected. School fee: \$20

## **452 AP CHEMISTRY**

**GRADES: 11-12**

**PREREQUISITE:** Pre-AP Chemistry

**2 CREDITS**

Advanced Placement Chemistry is a second year college level chemistry course covering more difficult material and in greater depth than Chemistry. The objective of this course is to prepare students for the AP exam in May, which can qualify the student to receive college credit. Topics include stoichiometry, nomenclature, equilibrium, kinetics, thermodynamics, bonding and atomic theory. This is an extended class period. School fee: \$20

# Social Studies

## **211 WORLD STUDIES**

**GRADES: 9**

**PREREQUISITE:** None

**1 CREDIT**

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World Studies is a general survey of the history of the world from the Age of Enlightenment to the present. The course will focus on the events and trends in both European and non-European cultures.

## **222 U.S. STUDIES CP**

**GRADES: 10**

**PREREQUISITE:** None

**1 CREDIT**

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The course will focus will be on twentieth century America and events in the world that have shaped, altered, and turned the course of our development. Included will be additional out of class work and projects.

## **223 ECC US HISTORY**

**GRADES: 10-12**

**PREREQUISITE:** Meet Edison CCP requirements

**2 CREDITS**

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This is a college level course designed to survey U.S. history from the prehistoric period of North America to the present. Major themes and significant topics to be explored include the settlement of the North American continent, including the European explorations and the native people's responses and reactions to that contact; Colonial British North America; the war for American independence; early agricultural and industrial development; the issue of slavery; western expansion; and the American Civil War; American industrialization; America's involvement in foreign affairs; the World Wars and international conflicts; the Great Depression; the Civil Rights Movement; and contemporary issues. Students enrolling in this course will earn 3 credits from Edison in HST 121S History of the U.S. I and 3 credits in HST 122S History of the U.S. II. Could be taken for a semester per teacher approval. *This course will take one period.* Students will go on a co-curricular study trip to Gettysburg as part of the course.

## **263 HISTORY OF ROCK AND ROLL**

**GRADES: 9-12**

**PREREQUISITE:** None

**½ CREDIT**

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You will explore modern instruments, the recording industry, the evolution of popular and rock music, music and the media, and the role music plays in our society (NHV curriculum guide). This course is designed to provide a historical perspective and insight into popular music of the twentieth century. Students will gain knowledge of rock and rolls roots, and will explore artists throughout the decades that have influenced the art form.

## **256 CURRENT EVENTS**

**GRADES: 9-12**

**PREREQUISITE:** None

**½ CREDIT**

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Current Events promotes student awareness of daily occurrences at the national and international level. Participation in classroom discussions will be strongly emphasized. Course may not be repeated for credit. In addition, a minimal fee may be charged for a limited subscription to a news magazine.

**254 SERVICE LEARNING****GRADES: 9-12****PREREQUISITE:** None**½ CREDIT**

Service Learning allows students to choose topics to demonstrate skills necessary for active and effective citizenship. Students use knowledge of the rights and responsibilities of citizenship in order to examine and evaluate civic ideals and to participate in community life and the American democratic system. Students collect, organize, evaluate and synthesize information from multiple sources to draw logical conclusions. Service activities meet genuine community needs, provide meaningful tasks for students, and promote communication and collaboration with community members. Students communicate this information using appropriate social studies terminology in oral, written or multimedia form and apply what they have learned to societal issues in simulated and real-world settings. The course includes a community service project. Completion of this course will earn students the Community Service Seal towards their diploma.

**257 SOCIOLOGY****GRADES: 9-12****PREREQUISITE:** None**½ CREDIT**

Sociology is a study of basic human motivation in group settings. The emphasis is on the study of the basic social institutions, cultures, minority relations, deviant and conformist behavior, socialization phases, and stratification. Three (3) project papers are required as part of this course.

**261 AP WORLD HISTORY****GRADES: 11-12****PREREQUISITE:** US History CP or ECC US History**1 CREDIT**

This is a college level course. This course will cover broad themes dating back from 8,000 B.C.E. to the present. The themes that will be studied are interaction between humans and the environment; development and interaction of cultures; state-building, expansion, and conflict; creation, expansion, and interaction of economic system; and development and transformation of social structures. The intense study of this course will look to examine these broad themes, as opposed to more detailed study of individuals and events.

Students completing this course will also be required to participate in History Day projects. By studying AP World History, the student will take the AP exam in the spring with the goal of obtaining college credit for work completed in high school. *Students will complete a summer assignment.*

**255 PSYCHOLOGY****GRADES: 11-12****PREREQUISITE:** None**½ CREDIT**

Psychology is the study of the factors and forces that shape the individual human being. In psychology, the student will study those things that make the individual human like and different from all other humans. Topics to be covered will include learning, development, personality, mental health and altered states of consciousness, and abnormal psychology. Psychology is approximately 60% lecture and discussion.

# Social Studies

# Social Studies

## **231 GOVERNMENT**

**PREREQUISITE:** US Studies

**GRADES: 11-12**

**1 CREDIT**

This course will help the learner understand the American political system, with emphasis on the national government's foundations, structure, and operation. Discussions will cover the role of politics, political parties, the Bill of Rights, public policies, public opinion, voting, and the election process.

## **253 ECONOMICS**

**PREREQUISITE:** None

**GRADES: 11-12**

**½ CREDIT**

Economics is a study of how individuals, businesses, and nations deal with the problem of scarcity, unlimited wants and limited resources (finances). How we deal with this to gain financial stability is called Economics. A student is encouraged to take this course to better understand how the economy works. Fulfills financial literacy requirement.

## **233 AP GOVERNMENT AND POLITICS**

**PREREQUISITE:** US Studies and teacher approval

**GRADES: 11-12**

**1 CREDIT**

AP Government and Politics a college level course. It is designed to give students an analytical perspective on government and politics in the US and involves the study of general concepts used to interpret politics and the analysis of specific case studies. Topics covered in this discussion-oriented course include: constitutional underpinnings of the US government, political beliefs and behaviors, political parties and interest groups, institutions, and processes of the national government. Students will take the AP exam in the spring with the goal of obtaining college.

**750 ART I: INTRODUCTION TO ART****GRADES: 9-12****PREREQUISITE:** None**½ CREDIT**

A PREREQUISITE FOR ALL OTHER ART CLASSES. This is an introductory class into the study of art and design. Students will develop an understanding of the Elements and Principles of Art. Projects will focus on basic composition, drawing, shading and measuring skills; as well as the overall quality of individual artwork. The purpose of this class is to build skills in art and design as well as develop a strong work ethic. This is an important foundation class for those wishing to continue the study of art or design. Course Fee: \$10.

**500 INTRODUCTION TO DESIGN****GRADES: 9-12****PREREQUISITE:** None**½ CREDIT**

This class will focus on projects that are specific to certain design careers, including graphic design, illustration, industrial design, character design, typography, page layout and more. This class will teach students the foundations of design and the design process. Students will connect the work that is done with paper and pencil, to the finished digital work that results in various design careers. Students will receive an introduction to the Adobe Photoshop, Illustrator, Animate, Premiere Pro, and InDesign programs. They will gain experience using the programs to enhance and finish projects. This class is for any student that plans to continue with the other Design Foundations classes or plans to complete to Credentialed Pathway for graduation. Course Fee: \$10.

**501 VISUAL DESIGN: FOUNDATIONS OF DESIGN AND PRINT PRODUCTION****GRADES: 9-12****PREREQUISITE:** Introduction to Design**½ CREDIT**

*Visual Design* is a project-based curriculum that develops key digital communication skills such as design, project management, research and communication, and photography, graphic design and illustration, and page layout technical skills using Adobe tools. Projects in this course includes: Collages and photography, logos, business cards, advertisements, and portfolios. The course is aligned to the objectives required for students to be successful in their future digital career and to satisfy the objective for the Adobe Certified Associate Exams. *Counts as elective credit only.* Course Fee: \$10.

**504 DIGITAL VIDEO: FOUNDATIONS OF VIDEO DESIGN AND PRODUCTION****GRADES: 9-12****PREREQUISITE:** Introduction to Design**½ CREDIT**

*Digital Video* is a project-based curriculum that develops key digital communication skills such as design, project management, research and communication, and video and audio design and production technical skills using Adobe tools. Projects in this course includes: New stories, Public service announcements, portfolios, commercials, and mini-documentaries. The course is aligned to the objectives required for students to be successful in their future digital career and to satisfy the objectives for the Adobe Certified Associate Exams. *Counts as elective credit only.* Course Fee: \$10

# Art & Design

## **505 INTERACTIVE DESIGN: FOUNDATIONS OF ANIMATION AND INTERACTION DESIGN**

**GRADES: 9-12**  
**½ CREDIT**

**PREREQUISITE:** Introduction to Design

*Interactive Design* is a project-based curriculum that teaches digital communication skills in the context of professional animation and interaction design process, using Adobe Animate tools. Interactive Design develops four key skill areas: project management and collaboration, design, research and communication, and professional interactive media authoring tools. Projects in the course include: game design and planning building a flash game, and constructing a portfolio. The course is aligned to the objectives required for students to be successful in their future digital career and to satisfy the objectives for the Adobe Certified Associate Exams. Course Fee: \$10.

## **754 PHOTOSHOP**

**GRADES:10-12**  
**½ CREDIT**

**PREREQUISITE:** Introduction to Design, Foundations of Design and Print Production

*Photoshop* is a project-based course detailing step-by-step techniques for working in Photoshop, including how to correct, enhance, and distort digital images, create image composites, and prepare images for print and the web. The course is aligned to the objectives required for students to be successful in their future digital career and to satisfy the objectives for the Adobe Certified Expert Exams. Course Fee: \$10.

## **506 PREMIERE PRO**

**GRADES: 9-12**

**PREREQUISITE:** Introduction to Design and Digital Video **½ CREDIT**

*Premiere Pro* is a project-based course detailing step-by-step key techniques for working in Premiere Pro. Students will learn to edit video in Adobe Premiere pro CC. Students will also learn to organize media, add audio, create transitions, produce titles, and add effects. The course is aligned to the objectives required for students to be successful in their future digital career and to satisfy the objectives for the Adobe certified Expert Exams. *Counts as elective credit only.* Course Fee: \$10.

## **502 PIQUA DIGITAL WEEKLY**

**GRADES: 9-12**

**PREREQUISITE:** Instructor Approval **1 CREDIT**

Piqua Digital Weekly produces a weekly show for PHS that is aired on Fridays. Students are also required to aid in the broadcast of various school and community events. Students will produce, capture, and edit digital video and use broadcast equipment while creating products for The Indian Nation Station and Piqua Digital Media (Our YouTube Channel). *Counts as elective credit only.* Course Fee: \$10.

## **509 AFTER EFFECTS**

**GRADES:10-12**

**PREREQUISITE:** Intro to Video Production **1/2 CREDIT**

The concepts of design, color and texture as they pertain to special effects will be explored. Students will learn how to use traditional 2D editing and imaging tools to create animation and effects. Special effects will be studied, reproduced in labs and edited by students. Course Fee: \$10.

**751 ART II: DRAWING/PAINTING****GRADES: 10-12****PREREQUISITE:** Art I**1 CREDIT**

An advanced level art course focused upon the fine art of drawing and painting. Drawing skills will be strengthened and unfamiliar techniques and color theory introduced. This class will be an opportunity for students to explore all 2D mediums, material and techniques. This class will focus on realism and drawing from observation, while improving the overall quality of the artwork. Students will also be given creative freedom, creating unique expressive projects, such as a graphic novel. They will learn how to better express their ideas and technical knowledge behind their projects both verbally and in written form. At the conclusion of this class, students will make an easy transition into Art III: Studio Art class. Course Fee: \$15 per semester.

**752 ART III: STUDIO ART****GRADES: 11-12****PREREQUISITE:** Art I and Art II**1 CREDIT**

This class will help students transition into a future AP Art student. This is the course where students will begin to build a portfolio for college. Expectations are always set high for the encouragement of outstanding quality work. Students will work with a diverse amount of art mediums available. They must meet all the deadlines and requirements given per project. Each student will strengthen his/her ability to express ideas and technical knowledge behind the projects both verbally and in written form. Studio Art students will work alongside the AP Art students as they learn how to develop a personal style with top quality design and technique. Most of the junior year artwork created in this class will become portfolio pieces added to their senior year AP Art work. Course fee: \$15 per semester.

**753 AP STUDIO ART: 2D DESIGN/DRAWING****GRADE: 12****PREREQUISITE:** Art I and Art II/III or teacher recommendation**1 CREDIT**

This is a top level art course geared towards the serious art student. Expectations are set high to ensure superior quality work. Students are required to complete various art projects in class, meet deadlines, and exceed the basic requirements given per project. Each student will continue to strengthen his/her ability to express ideas and technical knowledge behind the projects both verbally and in written form. The main goal of this course is to prepare and provide each and every student with an obtainable opportunity to go to college through the completion of their portfolio. This portfolio may be used for admission into college as well as various scholarship competitions into his/her college or art school of choice. *In addition to regular class work*, all AP Art students are expected to do research and develop their own projects outside the art room in the form of a "concentration". These projects will also be included within the final portfolio due at the end of his/her senior year. Any senior planning to go into art or design, whether it be digital art or fine art, should take this class, to help build their portfolio. *Through AP testing, this course also provides a fantastic opportunity to receive college credit.* Course Fee: \$20 per semester.

**755 CERAMICS INDEPENDENT STUDY****GRADES: 11-12****PREREQUISITE:** Art I and Instructor Approval**1/2 CREDIT**

This course will be largely an independent exploration of Ceramics. Students will complete a progressive series of projects that will promote exploration of the traditional building techniques in ceramic work. Firing, glazing, and surface decoration techniques will be taught. Students must meet deadlines to reach performance goals that will culminate in a series of finished ceramic pieces including both functional and non-functional work. Course Fee: \$20.

# Art & Design

# Family Consumer Sciences

Family and Consumer Science courses help students develop skills for life. The courses feature a hands-on approach to learning life skills in a fun and lively manner. Students enrolled in Family and Consumer Science courses also have the opportunity to participate in FCCLA (Family, Career and Community Leaders of America) which focuses on community service both in and beyond the classroom. The Family and Consumer Science program is a satellite of the Upper Valley Career Center.

**553 CULINARY FUNDAMENTALS**  
**PREREQUISITE:** None

**GRADES: 9-12**  
**½ CREDIT**

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. Course Fee: \$30.

**554 NUTRITION AND WELLNESS**  
**PREREQUISITE:** None

**GRADES: 9-12**  
**½ CREDIT**

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle. Students will also receive CPR and AED training in this class. Course Fee: \$30.

**552 CHILD DEVELOPMENT**  
**PREREQUISITE:** None

**GRADES: 9-12**  
**½ CREDIT**

In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services. Course Fee: \$5.

**551 FASHION DESIGN AND CONSTRUCTION**  
**PREREQUISITE:** None

**GRADES: 9-12**  
**½ CREDIT**

In this course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textiles products, including home interior accessories and garments. Course Fee: \$30.



**550 INTERIOR DESIGN, FURNISHINGS, &  
MANAGEMENT**

**PREREQUISITE:** None

**GRADES: 9-12**

**½ CREDIT**

In this Family and Consumer Sciences career field course, students will examine design principles used in residential interiors. An emphasis will be placed on incorporating anthropometrics, ergonomics and psychological responses. Additional topics will include the selection and organization of furnishings, floors and wall coverings in living spaces, kitchens and baths. Course Fee: \$30.

**555 GLOBAL FOODS**

**PREREQUISITE:** None

**GRADES: 9-12**

**½ CREDIT**

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced equipment in the preparation of food dishes. Course Fee: \$30.

*Family Consumer Sciences*

# Health and Physical Education

**850 HEALTH**  
**PREREQUISITE:** None

**GRADES: 9-10**  
**½ CREDIT**

During this one semester graduation requirement course, students will: comprehend concepts related to health promotion and disease prevention; demonstrate the ability to access valid health information and health-promoting products and services; demonstrate the ability to practice health-enhancing behaviors and reduce health-related risks; analyze the influence of culture, media, technology, and other factors on health; demonstrate the ability to use interpersonal communication skills to enhance health; and demonstrate the ability to advocate for personal, family, and community health.

**864 WELLNESS PE**  
**PREREQUISITE:** None

**GRADES: 9-12**  
**¼ CREDIT**

The mission is to empower all students to sustain regular, lifelong physical activity as a foundation for a healthy, productive and fulfilling life. The Piqua High School Physical Education program provides each student with the opportunity to participate in an all-inclusive program consisting of skill development, lead up games, team sports, individual sports, and physical fitness activities. The goal is to provide every student with a wide variety of physical activities and challenges that will contribute to the development and maintenance of their physical, cognitive, and affective well-being. Ultimately, students will be provided with a foundation to make informed decisions that will empower them to achieve and maintain a healthy lifestyle. Course Fee: \$20.

**851 ATHLETIC TRAINING**  
**PREREQUISITE:** Biology and Health

**GRADES: 10-12**  
**½ CREDIT**

This course is designed to provide students with information pertaining to careers in the Sports Medicine field as related to athletic training. This course is geared towards students who may have an interest in pursuing a career in any health-related field. Students will study anatomy, physiology, and kinesiology as related to injury prevention, evaluation, treatment, and rehabilitation. Other topics will include nutrition, therapeutic use of heat and cold, taping/bracing and other selected topics including careers in the Physical Therapy field. The class will have both a lecture and a lab component. Course Fee: \$25.

**800 WOMEN'S CHORUS****GRADES: 9-12****PREREQUISITE:** Audition**1 CREDIT**

Open to female students to provide an initial high school choral experience. Emphasis is on vocal skill development and public performance experience. Concert attendance is mandatory. OMEA district and state contests require additional time outside of school day. Materials Needed: Correct concert attire and \$15 robe rental/cleaning fee.

**801 MEN'S CHORUS****GRADES: 9-12****PREREQUISITE:** Audition**1 CREDIT**

Open to qualified male voices to provide a choral experience for the beginning to advanced singer. Emphasis is on advanced vocal skill development and public performance. Concert attendance is mandatory. OMEA district and state contests require additional time outside of school day. Materials Needed: Correct concert attire and \$15 robe rental/cleaning fee.

**803 SHOW CHOIR****GRADES: 9-12****PREREQUISITE:** Audition**1 CREDIT**

Show Choir provides a development of vocal, instrumental, dance, and dramatic presentation skills through public performance of contemporary dramatic presentation skills through public performance of contemporary literature. Costume and accessory fees as well as a commitment to public performances and a rigorous competition schedule are mandatory for class membership. Show Choir performance season includes second and third grading periods. A student may not be a member of Winter sports from November 15 through March 15. Must attend show choir camp in the summer. Course Fee: \$15.

**802 CONCERT CHOIR****GRADES: 10-12****PREREQUISITE:** Audition**1 CREDIT**

Open to qualified students to provide an advanced mixed-choir experience. Emphasis is on advanced vocal skill development, exploration of traditional and contemporary choir literature, and public performance. Concert attendance is mandatory. OMEA district and state contests require additional time outside of the school day. Materials needed: correct concert attire and \$15 robe rental/cleaning fee.

**805 SHOW CHOIR COMBO/JAZZ BAND****GRADES: 9-12****PREREQUISITE:** Audition**1 CREDIT**

Show Choir Combo provides for development of instrumental skills through public performance of contemporary literature. Costume and accessory fees as well as a commitment to public performance schedule are mandatory for class membership. Show Choir performance season includes second and third grading periods. A student may not be a member of Winter sports from November 15 through March 15. Wind and percussionists are expected to participate in concert or symphonic band unless a scheduling conflict exists.

# Music

# Music

## **809 CONCERT BAND**

**GRADES: 9-12**

**PREREQUISITE:** None

**1 CREDIT**

Concert Band is a yearlong course made up of Freshman through Seniors and is a performance-based class. This class is made up of students who are still developing ensemble skills and performance techniques. Students will be placed in Concert Band based on an individual audition at the end of each second semester. Music literature will range from a grade 2-3 difficulty level. Students will be expected to participate in Pep Band performances as part of this class. This band may participate in OMEA Large Group Contest based on instrumentation each year.

## **812 SYMPHONIC BAND**

**GRADES: 9-12**

**PREREQUISITE:** None

**1 CREDIT**

Symphonic Band is a yearlong course made up of Freshman through Seniors and is a performance-based class. This class is made up of students who are excelling on their instruments and are ready to be challenged with more advanced literature. Students will be placed in Symphonic Band based on an individual audition at the end of each second semester. Students will be expected to participate in Pep Band performances as part of this class. Music literature will range from a grade 3-4 difficulty level. This band will participate in OMEA Large Group Contest. Students in this group will also be encouraged to participate in OMEA Solo and Ensemble Festival.

## **810 MARCHING BAND EXEMPTION**

**GRADES: 9-12**

**PREREQUISITE:** None

**½ CREDIT**

This course is designed for students attending the Upper Valley Career Center, Local College, or students not able to schedule marching band because of course conflict. All of these options must be approved by counselor and band director. Students must meet the requirements for marching band (see marching band OR contact band director).

**811 COLOR GUARD****GRADES: 9-12****PREREQUISITE:** Audition**½ CREDIT**

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Color guard is an auditioned group that is part of the "Pride of Piqua" Marching Band. Color guard members will enhance the marching band through dance, saber/riffle work, and spinning of silks. Auditions for the group will be posted towards the beginning of 2nd Semester (see band director). Color Guard members will be held to the same expectations and grading policy as those signed up for Piqua's 810 Marching Band class. See details regarding marching band in course class.

**807 DRAMA****GRADES: 10-12****PREREQUISITE:** None**½ CREDIT**

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This class will serve as an introduction to all aspects of theatre. It will cover memorization skills, performance, evaluation, characterization, and history of theatre. This class will use readings, projects, movies, TV shows, and hands-on activities to survey a broad field of theatre. Class requirements include participation and performing memorized pieces on stage and reading aloud. Because of the participatory nature of this class, attendance is graded.

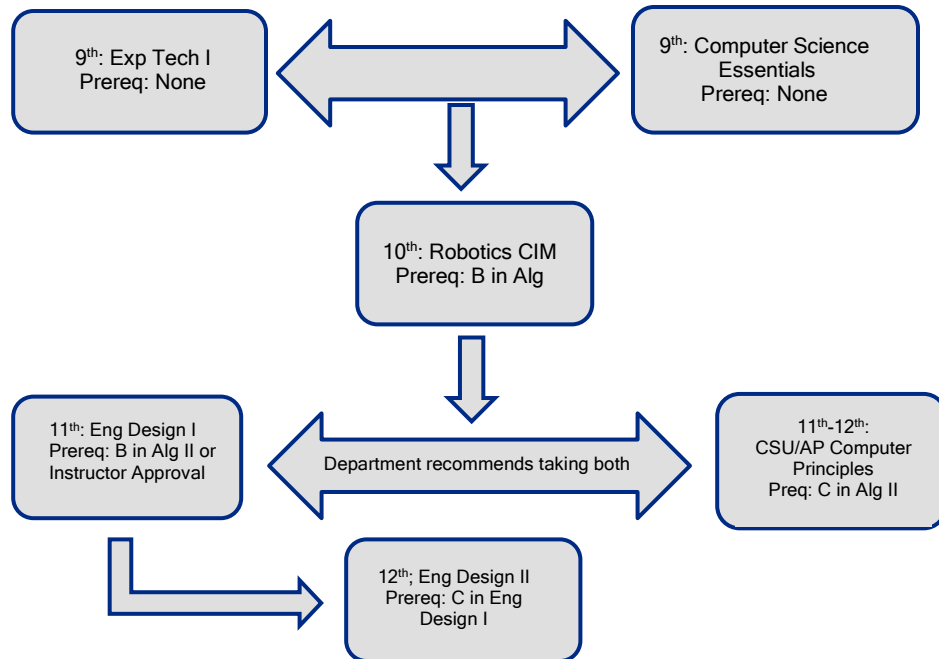
**806 MUSIC APPRECIATION AND THEORY****GRADES: 10-12****PREREQUISITE:** Instructor approval**½ CREDIT**

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This semester course will review various periods of music history, different styles of music, and the artists associated with these periods and style. The course is designed to give a comprehensive overview of the basics of Music Theory. Note names, staff reading and notation, scales, intervals, and triads will be covered at length in the course. The student will complete both in-class and out-of-class projects. It is suggested to have some music background and be able to read music prior to this course.

# Music

# Pre-Engineering



## 650 EXPLORING TECHNOLOGY

GRADES: 9-10

PREREQUISITE: None

½ CREDIT

Exploring Technology introduces students to variety of engineering disciplines through classwork and various projects. This class is an extension of STEM classes at PJH. Focus includes applying the Engineering Design Process to various projects. It also includes civil engineering through tower and bridge building. Plan reading and construction scheduling are practiced. Fundamentals of electric theory and electronics are explored, as well as 3D printing and robotics. Course Fee: \$15.

## 659 COMPUTER SCIENCE ESSENTIALS

GRADES: 9-12

PREREQUISITE: None

½ CREDIT

This semester course is designed to introduce students to the innovations and creativity involved in the computer and technology career paths. Students will collaborate to create mobile apps, solve problems and create value for other through innovation and creativity, and explore how innovations in computing impact and connect our world. Students will be introduced to computer programming and learn how to put your designs into practice.

**653 ROBOTICS****PREREQUISITE:** B in Algebra and instructor approval**GRADE: 10****1 CREDIT**

Students explore the digital world around us and new emerging technologies. This class covers foundational concepts of robotics and includes various quick build projects on a variety of robotic platforms. Basic programming is practiced as part of the engineering challenges. The roles of sensors, loops, and conditional statements are explored. Students will discuss the implications of increased robotics on society, focusing on changes to business and manufacturing. Students will review core theory to better understand how robots and electronics are built successfully. Students are not required to take Exploring Technology prior to enrolling in Robotics. Course Fee: \$10.

**654 ENGINEERING DESIGN I****PREREQUISITE:** B in Algebra II and Instructor approval**GRADES: 11-12****1 CREDIT**

In this course, students will focus on the Engineering Design Process to solve various design challenges. Students practice technical drawing and develop skills and experience with 2D and 3D modeling software. Course work includes preparation for the autoCAD Certified User Exam. Student will also use 3D design and printing to accomplish class objectives. Topics also include machining, design optimization, and other manufacturing work processes. Some involvement with robotics may be included depending on class interest.

**655 ENGINEERING DESIGN II****PREREQUISITE:** C in Engineering Design I and Instructor approval**GRADE: 12****1 CREDIT**

Students continue to grow their experience using engineering principles to solve problems in this course. 2D and 3D software skills are expanded as more and more complex challenges are tackled. Practice prototyping and communicating solutions will be included in this course. Students focus on hydraulic systems and machine components interaction in manufacturing. Various disciplines of Engineering are also explored. Motivated students may have the opportunity to complete teacher-approved self-directed projects in the spring.

**657 AP COMPUTER SCIENCE PRINCIPLES****PREREQ:** C in Algebra II and Instructor approval**GRADES: 11-12****1 CREDIT**

AP Computer Science Principles is a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

# Pre-Engineering

## **900A MENTORING S1**

**GRADES: 9-12**

**PREREQUISITE:** Instructor approval

**½ CREDIT**

This course provides a unique opportunity for the learner to assume the role of a student mentor to work with same-age disabled peers. Students will gain knowledge of different handicapping conditions and will interact with the students using modified learning task materials. Students must complete assignments, be a positive role model, and accompany the class on a community outing. More importantly, this class facilitates appreciating the similarities between themselves and the disabled. Class size is limited and all students will be subject to a two-week trial period.

## **900B MENTORING S2**

**GRADES: 9-12**

**PREREQUISITE:** Instructor approval

**½ CREDIT**

This course provides a unique opportunity for the learner to assume the role of a student mentor to work with same-age disabled peers. Students will gain knowledge of different handicapping conditions and will interact with the students using modified learning task materials. Students must complete assignments, be a positive role model, and accompany the class on a community outing. More importantly, this class facilitates appreciating the similarities between themselves and the disabled. Class size is limited and all students will be subject to a two-week trial period.

## **904 EMPLOYABILITY SKILLS**

**GRADES: 9-10**

**PREREQUISITE:** Must be on an IEP

**1 CREDIT**

This is an elective class for students currently on an IEP. It will cover a basic course in social skills and social interaction, employability skills such as proper introductions and effective communication, and interactive role playing. The second semester of the course will get more in depth with social skills, social media safety, and dealing with emergencies. Employability skills will focus on how to get and keep a job, making change and counting money, and effective communication.

## **907 SUCCESSBOUND**

**GRADES: 9-12**

**PREREQUISITE:** None

**½ CREDIT**

In this course, students will begin exploring career interests through job shadowing, guest speakers, fieldtrips, and coursework. Students will be required to complete assignments and participate in activities, in order to develop skills necessary for post-secondary and financial success. Upon the conclusion of the course, students will be able to create a SuccessBound career path and educational plan that they will continue to develop throughout their secondary term at Piqua High School. *Students will earn their financial literacy credit in this course.*



**905 CONSTRUCTION TECHNOLOGY****GRADES: 10****PREREQUISITE:** None**1 CREDIT**

In this yearlong course, students will learn principles in safety, construction math, hand and power tool operation, blueprint reading, material handling, communication, and employability skills. Students will select materials, assemble, and test basic electrical circuits. Students will select materials and assemble simple copper and plastic plumbing applications. Students will be able to select materials in basic ductwork, components, and learn basic operation and maintenance of heating and cooling equipment.

**912 MECHATRONICS I****GRADES: 11-12****PREREQUISITE:** None**2 CREDITS**

Mechatronics is a yearlong program that is specifically designed to teach real-world skills that can be used in an ever-changing global market. Skills taught include forklift safety and operation, hand and power tool operation, electrical wiring, brazing and soldering, machine rigging, and much more. Students will have the opportunity to earn Forklift and Man Lift Certifications, OSHA 10 Certification and Certified Production Technician or NIM Certification (12-point Industry Credential). Successful completion of this course could lead to job placement as an Industrial Maintenance Technician. Further training is available at the Upper Valley Career Center Adult Division and Edison State Community College. This class will meet for two consecutive periods per day.

**913 MECHATRONICS II****GRADE: 12****PREREQUISITE:** Mechatronics I**2 CREDITS**

Mechatronics II is a yearlong class that will continue to develop the skills learned in Mechatronics I. Once students demonstrate a mastery in the four core areas of Safety, Quality Practices and Measurement, Manufacturing Processes and Production, and Maintenance Awareness, they may be eligible for job placement as an Industrial Maintenance Technician. Further training is available at the Upper Valley Career Center Adult Division and Edison State Community College. This class will meet for two consecutive periods per day.

**917 LAUNCHING INTO AVIATION****GRADES: 9-12****PREREQUISITE:** None**½ CREDIT**

This course will provide the foundation for advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will look at the problem-solving practices and innovative leaps that transformed space exploration from the unimaginable to the common in a single generation. Students will also gain historical perspective, starting from the earliest flying machines and leading to the wide variety of modern aircraft and the integral role they play in making today's world work.

*Technical*

## **918 EXPLORING AVIATION AND AEROSPACE**

**GRADES: 9-12**

**PREREQUISITE:** Launching Into Aviation

**½ CREDIT**

This core aerospace and aviation course provides the foundation for both pathways. It is designed to give students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the aviation system. Students will also begin to drill down into the various sectors of aviation and the elements that make up the aviation and aerospace ecosystem. They will discover how advances in aviation created a need for regulation and will learn about the promulgation of civil aviation oversight. Students will explore modern innovations and develop their own innovative ideas to address real-world challenges facing the aviation industry. They will be exposed to a variety of career options in aviation and aerospace and take an in-depth look at the opportunities available. For schools offering multiple pathways, this course will allow students to begin to define their individual interests.

## **908 & 910 WORK BASED LEARNING**

**GRADES: 11-12**

**PREREQUISITE:** Staff Recommendation and Application

**1 CREDIT\***

Work-based learning experiences are conducted at a work site during or after school. They are designed to provide authentic learning experiences to students that link academic, technical and professional skills. Business and education partner work together to evaluate and supervise the experience, which must be documented with training or learning plans and evaluation forms. WBL is for students in the 11<sup>th</sup> & 12<sup>th</sup> grade and are interested in gaining employment during high school. Enrolled students will attend school periods 1-5A. Students will also be required to work a minimum of 15 hours per week and must have reliable transportation to their work site. Students are encouraged to obtain employment prior to program entrance. Students under the age of 18 will be required to obtain a work permit once employed. Students benefit by being on the job daily and develop good work habits. There will be a related course that accompanies this class. \*Half credit is given per five hours of work a week for each semester.

## **457 INTRODUCTION TO HUMAN BODY SYSTEMS**

**GRADES: 9-12**

**PRE/COREQUISITE:** None

**½ CREDIT**

Students examine the interactions of human body systems at a pre-anatomy and physiology level as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Manikin; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professional to solve real-world medical cases. *This class will count for elective credit only.*

## **914 INTRODUCTION TO HEALTHCARE**

**GRADES: 10-11**

**PREREQUISITE:** None

**1 CREDIT**

This first course in the career field provides students an overview of the opportunities available in the healthcare industry. Students will learn fundamental skills in effective and safe patient care that can be applied across a person's lifespan. They will also be introduced to exercise science and sports medicine, the field of biomedical research and the importance of managing health information. *This class will count for elective credit only.*

**458 MEDICAL TERMINOLOGY****GRADES: 11-12****PREREQUISITE:** None**1 CREDIT**

This course focuses on the applications of the rules for constructing and defining medical terms with an emphasis on building a working medical vocabulary. Topics include using appropriate abbreviations and symbols for anatomical, physiological and pathological classifications and the associated medical specialties and procedures. Students will decipher medical terms by identifying and using word elements with an emphasis on derivation, meaning, and pronunciation. Further, students will interpret and translate medical records and documents. *This class will count for elective credit only.*

**456 ECC MEDICAL TERMINOLOGY****GRADES: 11-12****PREREQUISITE:** Meet Edison CCP Requirements**1 CREDIT**

This course focuses on the applications of the rules for constructing and defining medical terms with an emphasis on building a working medical vocabulary. Topics include using appropriate abbreviations and symbols for anatomical, physiological and pathological classifications and the associated medical specialties and procedures. Students will decipher medical terms by identifying and using word elements with an emphasis on derivation, meaning, and pronunciation. Further, students will interpret and translate medical records and documents. Students will earn 3 credits of ALH 151S Healthcare Medical Terminology and 1 credit of ALH 101S Introduction to Healthcare from Edison State Community College.

**911 HEALTH CAREERS LAB****PRE/COREQUISITE:** Medical Terminology AND Anatomy and Physiology**GRADES: 11-12****2 CREDITS**

Students will apply psychomotor nursing skills needed to assist individuals in meeting basic human needs. Students will implement interventions following a nursing assistant plan of care. Students will collect patient's vital signs including temperature, pulse rate, respiration rate, and blood pressure. Students will perform phlebotomy procedure with emphasis on infection prevention, universal precautions, proper patient identification, specimen acquisition, handling, and processing. Additionally, students will observe patients' physical, mental, and emotional conditions and document any change. Students will apply fundamental principles of communication, leadership, technology and management as it applies to the medical office setting. Students will demonstrate documentation and record keeping procedures set forth by national accrediting organizations. Students will receive their Patient Care Technician (PCT) certification. During senior year, students will have the option to do an internship, take Edison classes for a registered nursing degree, or go to the career center for LPN. Students may be eligible for employment after certification within the school year. Students will meet with their counselor to plan their course of action.

**916 LAW ENFORCEMENT PRE-APPRENTICESHIP****GRADES: 11-12****PREREQUISITE:** Meet with counselor**CREDITS**

PHS will be offering a pre-apprenticeship opportunity in conjunction with the Piqua Police Department. This pre-apprenticeship program will run concurrent with the Edison State Community College Police Training Program.

**Technical**

# World Languages

**721 AMERICAN SIGN LANGUAGE**  
**PREREQUISITE: None**

**GRADES: 9-12**  
**1 CREDIT**

This course will introduce students to the language and culture of Deaf Americans. Students will learn basic vocabulary and grammar structures with a heavy emphasis on expressive and receptive language use. Information about Deaf Culture and Community will be introduced through authentic and non-authentic materials. By the end of ASL I students will have the ability to converse in basic ASL, have basic narrative and questioning skills, use tense and aspect markers, and be able to identify and understand the use of classifiers/depicting verbs.

**722 AMERICAN SIGN LANGUAGE II**  
**PREREQUISITE: ASL I**

**GRADES: 10-12**  
**1 CREDIT**

This course will continue to develop vocabulary and grammar with a heavy emphasis on expressive and receptive language use. Knowledge of the American Deaf Culture and Community will be expanded through authentic and non-authentic materials. By the end of ASL II students will have refined their grammatical skills and be able to incorporate classifiers and depicting verbs into their discourse. Spatial referencing, parts of speech, directionality, temporal, and distributional aspects will be introduced.

**723 AMERICAN SIGN LANGUAGE III**  
**PREREQUISITE: ASL II**

**GRADES: 11-12**  
**1 CREDIT**

This course is designed for students who are serious about advancing their mastery of receptive and expressive ASL. This course will continue to develop vocabulary and dive deeper into the structures of grammar. Conversation skills will be heavily increased as the expectation of voice-off communication is imperative for this course. By the end of ASL III students will be able to communicate using a multitude of grammatical structures, tenses, and incorporation of different aspects.

**711 FRENCH I****PREREQUISITE:** None**GRADES: 9-12****1 CREDIT**

Students in French will be able to speak, listen, read, and write about topics that are relevant to them. This will be done while discovering ways to interact with other, whose perspectives may be different from their own by exploring the lives of people throughout the French speaking world. As students continue their study of French, they will expand their skills in speaking, listening, reading, writing and cultural awareness. Students will learn to talk about themselves-their identity, their likes and dislikes, what they do for fun, what they do at school and the people in their lives-their friends and family.

**712 FRENCH II****PREREQUISITE:** French I**GRADES: 10-12****1 CREDIT**

In French II, students will learn to talk about what they eat, what they do with their free time, and what influences their decisions for free time. They will be able to talk about where they live and what they do at different places in the city.

**713 FRENCH III****PREREQUISITE:** French II**GRADES: 11-12****1 CREDIT**

In French III students will learn to talk about what they are going to do in their future, how education influences their future, what food choices they make, what responsibilities they have as a global citizen, and what they did and where they went.

**714 FRENCH IV****PREREQUISITE:** French III**GRADES: 12****1 CREDIT**

In French IV, students will be able to discuss what a healthy lifestyle looks like, how to give advice for living a healthy lifestyle, traveling abroad, doing volunteer work while traveling, and understand the difference between being a traveler and not a tourist.

# World Languages

# World Languages

## **731 SPANISH I**

**GRADES: 9-12**

**PREREQUISITE:** None

**1 CREDIT**

This course will introduce the student to the fundamentals of Spanish vocabulary and grammar. Students will develop all four essential skills of learning a World Language such as reading, writing, listening and speaking. Some cultural and geographical information will be covered as well. By the end of Spanish I, students will have the ability to use the present tense. They will be able to initiate basic conversations with Native Spanish speakers using basic vocabulary and common greetings and expressions.

## **732 SPANISH II**

**GRADES: 10-12**

**PREREQUISITE:** Spanish I

**1 CREDIT**

This course will continue to build vocabulary and continue to develop grammar using the four essential skills of learning a World Language: reading, writing, listening, and speaking. Cultural and geographical knowledge will be expanded through various authentic and non-authentic materials. By the end of Spanish II, students will be able to use multiple tenses to speak, listen, read and write including the present and past, as well as uses of pronouns. Assessments will be based on Integrated Performance Assessments (IPA's) and be completely performance based.

## **733 SPANISH III**

**GRADES: 11-12**

**PREREQUISITE:** Spanish II

**1 CREDIT**

This course will include a continuation of the study of vocabulary and grammar using all four essential skills of learning a World Language: reading, writing, listening and speaking. Conversation skills will be further developed through practical thematic units. Difficulty and relevance of vocabulary will also increase. By the end of Spanish III, students will be able to use multiple tenses to communicate including the present, past, imperfect, future, command subjunctive, and conditional, tenses. Assessments will be based on Integrated Performance Assessments (IPA's) and be completely performance based.

## **735 SPANISH IV**

**GRADE: 12**

**PREREQUISITE:** Spanish III

**1 CREDIT**

Spanish 4 is for students who wish to develop proficiency and integrate their language skills, using authentic materials and sources. Students will further develop their Spanish skills in reading, writing, speaking and listening. The course will include an intensive overall review of grammar, with a substantial increase in vocabulary as it relates to the reading and conversation topics of the text. Spanish "humanities" will be studied - art, architecture, music and literary greats, as well as, current events and social issues.