Program of Studies
2019 - 2020

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Graduation Requirements
This section outlines the minimum requirements for a diploma. Preparation for specific occupations, for college, or for other interests will require careful planning of high school courses in addition to these minimum requirements. The school counseling staff at the high schools stand ready to assist each student with this planning.

Twenty (20) academic credits are the minimum required for graduation. Students must also demonstrate career and college readiness via one of three state-approved measures.

- Students must complete the following minimum units of credit
  - English/Language Arts: 4 Credits
  - Science: 3 Credits (must include Integrated and Biology)
  - Math: 4 Credits (must include Algebra II)
  - Social Studies: 3 Credits (must include World History, American History, Economics, and P.O.D.)
  - Health: .5 Credit
  - Physical Education: .5 credit (may also be done by waiver)
  - Fine Arts: 1 credit
  - Electives: 4 credits (may not include Health/P.E.)

- Students must meet one of these measures
  - Earn a Cumulative Total of 18 Points on Ohio’s State End-of-Course examinations, AP course examinations, or final grades earned in College Credit Plus courses;
  - OR
  - Earn 12 Points Via Industry-Recognized Credentials and WorkKeys Testing
  - OR
  - Earn a “Remediation-Free” score demonstrating college-readiness on the ACT (18 English, 22 Reading, 22 Math) or the SAT (Evidence-Based Reading and Writing 480, Mathematics 530).

If a student fails a required course, it is his/her responsibility to re-schedule that course.

Honors Diplomas
The State of Ohio has developed several options for students who wish to pursue an honors diploma. Please read through the following information carefully and take advantage of the honors diploma worksheets Pickerington Schools offer to help you better understand if you qualify for an honors diploma. Each student may only earn one honors diploma. Click on the following hyperlinks to read more about each diploma type or visit the Ohio Department of Education’s website.

- Academic Honors Diploma
- Career Tech Honors Diploma
- STEM Honors Diploma
- Arts Honors Diploma (includes dance, drama/theatre, music and visual art)
- Social Science and Civic Engagement Honors Diploma

Students must share their intent to pursue an honors diploma by the end of March of their senior year by submitting this Google Form to allow the district enough time to secure a panel of experts for portfolio and document review and verification.
<table>
<thead>
<tr>
<th>Criteria</th>
<th>Academic Honors Diploma (Class of 2021 and after)</th>
<th>STEM Honors Diploma</th>
<th>Arts Honors Diploma</th>
<th>Social Science/Civic Engagement Diploma</th>
<th>Career Tech Honors Diploma</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>4 units</td>
<td>4 units</td>
<td>4 units</td>
<td>4 units</td>
<td>4 units</td>
</tr>
<tr>
<td><strong>Math</strong></td>
<td>4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content</td>
<td>5 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content</td>
<td>4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content</td>
<td>4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content</td>
<td>4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>4 units, including two units of advanced science</td>
<td>5 units, including two units of advanced science</td>
<td>3 units, including one unit of advanced science</td>
<td>3 units, including one unit of advanced science</td>
<td>4 units, including two units of advanced science</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>4 units</td>
<td>3 units</td>
<td>3 units</td>
<td>5 units</td>
<td>4 units</td>
</tr>
<tr>
<td><strong>World Languages</strong></td>
<td>3 units of one world language, or no less than 2 units of two world languages studied</td>
<td>3 units of one world language, or no less than 2 units of two world languages studied</td>
<td>3 units of one world language, or no less than 2 units of two world languages studied</td>
<td>3 units of one world language, or no less than 2 units of two world languages studied</td>
<td>2 units of one world language studied</td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>1 unit</td>
<td>1 unit</td>
<td>4 units</td>
<td>1 unit</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>N/A</td>
<td>2 units with a focus in STEM courses</td>
<td>2 units with a focus in fine arts course work</td>
<td>3 units with a focus in social sciences and/or civics</td>
<td>4 units of career technical minimum</td>
</tr>
<tr>
<td><strong>GPA</strong></td>
<td>3.5 on a 4.0 scale</td>
<td>3.5 on a 4.0 scale</td>
<td>3.5 on a 4.0 scale</td>
<td>3.5 on a 4.0 scale</td>
<td>3.5 on a 4.0 scale</td>
</tr>
<tr>
<td><strong>ACT/SAT</strong></td>
<td>27 ACT/1280 SAT 5</td>
<td>27 ACT/1280 SAT 5</td>
<td>27 ACT/1280 SAT 5</td>
<td>27 ACT/1280 SAT 5</td>
<td>27 ACT/1280 SAT 5 Workkeys – 6 Reading/6 Math</td>
</tr>
<tr>
<td><strong>Field Experience</strong></td>
<td>N/A</td>
<td>Complete a field experience and document the experience in a portfolio specific to the student’s area of focus</td>
<td>Complete a field experience and document the experience in a portfolio specific to the student’s area of focus</td>
<td>Complete a field experience and document the experience in a portfolio specific to the student’s area of focus</td>
<td>Complete a field experience and document the experience in a portfolio specific to the student’s area of focus</td>
</tr>
<tr>
<td><strong>Portfolio</strong></td>
<td>N/A</td>
<td>Develop a comprehensive portfolio of work based on the student’s field experience or a topic that is related to the student’s area of focus that is reviewed and validated by external experts</td>
<td>Develop a comprehensive portfolio of work based on the student’s field experience or a topic that is related to the student’s area of focus that is reviewed and validated by external experts</td>
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<td>Develop a comprehensive portfolio of work based on the student’s field experience or a topic that is related to the student’s area of focus that is reviewed and validated by external experts</td>
</tr>
</tbody>
</table>

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**Extended information for chart**

1 “Advanced science” refers to courses that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy).

2 The fifth mathematics and science credit for the STEM honors diploma may be fulfilled with a single course.

3 Field Experience refers to experiential learning in either an internship or apprenticeship. Students will document their experiences by describing their understanding in a portfolio.

4 The student portfolio is a collection of experiential learning and competencies based on the student’s field experiences. Students will engage with professionals or scholars in the field while developing their own portfolio or ePortfolio of original work that documents their technical, critical and creative skills representative of their honors focus; students’ work must be reviewed and evaluated by scholars or professionals within the field/area of study in which the students’ work is focused, and the scholars or professionals must be external to the district staff; students will give a presentation to showcase the work and provide an analysis of it to the school and local community. If the student does not complete a field experience, the portfolio can be based on a collection of work related to the student’s honors diploma area of focus.

5 These scores are based on the 2016 ACT and SAT assessments. ODE will publish a concordance document outlining equivalent scores for past and future tests that differ from the 2016 versions.

6 Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.

7 Students must score a minimum of 6 on the Math WorkKeys Assessment and a minimum of 6 on the Reading WorkKeys Assessment in order to meet the WorkKeys score requirement. The WorkKeys option applies only to the Career Tech Honors Diploma.
Registration and Scheduling of Courses

Suggestions Before Requesting Courses Through Infinite Campus

- Print out a scheduling transcript to view previous courses, grades, and credits earned by logging into an Infinite Campus portal account through a web browser, then going to “Reports” and “Scheduling Transcript.”
- Review the course options that follow in this guide for descriptions, fees, and additional requirements for each course.
- Review all programming notes about graduation requirements, grading policies, diplomas, NCAA standards, etc.
- Log into the portal using a web browser (Safari, Firefox, Chrome, Internet Explorer).

Requesting Courses: Infinite Campus Multi-Year Academic Planner (the “MYAP”)

Note: Individuals needing additional assistance regarding accessibility of the step-by-step directions below should contact their school counselors.

Students who are currently in grades 8-11 will use a feature in Infinite Campus called the “Multi-Year Academic Planner” (MYAP) to both request courses for next year, and to plan their remaining years in high school. View a short introductory video to MYAP.

For instructions on using the Academic Planner, click on the following links:
- Video instructions – Planning Future Courses

Credits, Minimum Passing Requirements, Course Load

Credits
The recommended number of credits a student should have completed to be on track for graduation in four years are:
- Assignment to 10th grade = a minimum of 5 academic credits
- Assignment to 11th grade = a minimum of 10 academic credits
- Assignment to 12th grade = a minimum of 15 academic credits

Minimum Class Passing Requirements
A student will pass a course if he/she earns a minimum of 0.67 quality points or D-.

Prerequisites
Some courses have requirements that need to be met before the student may enroll. Check the “prerequisite” or “recommended” section listed after each class.

Course Load
The master schedule of course offerings (teaching assignments) is arranged each year to reflect the student requests made during the spring registration of the previous school year. Request for change will only be honored if space is available. Students with fewer than 12 credits after two years of high school will be required to take a minimum of six (6) classes per semester. All high school students must take a minimum of five (5) courses and no more than a maximum of seven (7) courses per semester. Since the master schedule is designed based on student interest, any changes after its completion will be limited.
Auditing or Repeating a Course

Students may audit or repeat a course for a variety of reasons, such as gaining exposure to updated content or strengthening understanding of previously taken content.

- Students must complete a form for auditing or repeating a course. Forms are available in the school counseling office.
- When a student repeats a previously passed course, the transcript will reflect the higher grade attained.
- The NCAA will not recognize repeated courses for athletic eligibility. Credit will not be given for an audited course.

1. If a student chooses to audit a course, then the transcript will designate an audited course.
2. An audited course will not count towards graduation honors (awards) or in any athletic eligibility considerations.
3. An audited course will not count in any GPA considerations.
4. An audited course will not count towards meeting any pre-requisite for another course.
5. The student must remain in good standing (i.e., no attendance or discipline problems) to remain in course.

Pass/Fail Options

Students in grades 7-12 may take elective courses on a pass/fail basis based on the following guidelines. Courses eligible for the pass/fail option are identified on the Pass – Fail Registration Form. Forms are available in the school counseling office. The student, his/her parent, the teacher and the school counselor must complete and sign the pass/fail registration form. Interested students may secure this form in the Counselor’s office.

1. “Electives” are defined on the pass/fail registration form that students must complete.
2. Students in grades 9-12 may take up to one (1) elective credit per year as Pass/Fail (in addition to P.E.) in all areas excluding core classes and foreign languages. PE classes may always be taken pass/fail and may be an additional pass/fail class beyond the student’s pass/fail course selection.
3. Foreign Languages will only be considered an “elective” and eligible for pass/fail if, after a student has completed at least two years of a foreign language and wants to attempt a different foreign language.
4. Registration for a pass/fail course must be made during the first four (4) weeks of a course. Should a student decide later to take the course as a grade option (A, B, C, D, F), he/she must do so by the end of the final grading period. For students choosing the grade option (A, B, C, D, F), only the final grade will be changed. If a student elects to change a pass/fail course to a letter grade, this will count as his/her one pass/fail selection for the school year.
5. The procedure for adding or dropping a course shall also apply to pass/fail courses.
6. A grade of satisfactory (pass) or unsatisfactory (fail) will be given for progress in each grading period. The teacher should record all letter grades as usual in his/her grade book. Pass/fail will be recorded only on grade cards and permanent record cards.
7. Given extenuating circumstances, pass/fail grading may be utilized in grades 6-8 as determined by the building principal in consultation with the teaching staff and by approval of the Superintendent/designee for all classes that are not for high school credit.
8. English Learners (EL) students (K-12) may take any class pass/fail as long as recommended by the appropriate teaching staff and by approval of the Superintendent/designee.
## Grading Policies

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Standard Course</th>
<th>Honors Course</th>
<th>Articulation Agreements</th>
<th>CCP, AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>4.5</td>
<td>4.75</td>
<td>5</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
<td>4.22</td>
<td>4.45</td>
<td>4.69</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
<td>3.66</td>
<td>3.86</td>
<td>4.06</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>3.38</td>
<td>3.56</td>
<td>3.75</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
<td>3.09</td>
<td>3.27</td>
<td>3.44</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
<td>2.53</td>
<td>2.67</td>
<td>2.81</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>2.25</td>
<td>2.38</td>
<td>2.5</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
<td>1.97</td>
<td>2.08</td>
<td>2.19</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
<td>1.41</td>
<td>1.48</td>
<td>1.56</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>1.13</td>
<td>1.19</td>
<td>1.25</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
<td>0.84</td>
<td>0.89</td>
<td>0.94</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Weighted Grading System

Weighted credit is determined by multiplying standard credit by the following factors: Honors 1.125, articulation agreements 1.1875, and CCP/AP 1.25.

### Definitions:

- **Standard courses** are aligned to Ohio's learning standards.

- **Honors level courses** align to Ohio’s learning standards and extend student learning through extended learning experiences.

- **Articulation Agreements** are written agreements between high schools and colleges allowing students to earn college credit for high school courses. Articulation Agreements stipulate the course of action for students to obtain transcripted college credit, including matriculation to a specific college to have credit awarded.

- **College Credit Plus (CCP)** courses offer students who meet the postsecondary institution’s criteria the opportunity to participate in college courses, earning both college and high school credit for their studies. CCP students who earn an F or fail to complete the course will be required to reimburse the District at full cost. To ensure accurate reporting of student progress in CCP courses while maintaining fidelity to the district's postsecondary partners, student grade reporting for interim periods within academic quarters and for the mid-semester report card will be reported on a pass/fail basis, with a rounded sixty (60) percent considered passing.

- **Advanced Placement (AP)** is a curriculum for high schools designed by the College Board that reflects an introductory collegiate-level course in the content area. Students are exposed to a variety of methods of instruction that are designed to develop the essential skills for long-term post-secondary success. The course culminates in a College Board exam that, if passed, is generally accepted as replacement credit for analogous coursework in college.
Summer Courses
Summer school for high school students (aside from summer physical education) will be revamped this year to offer credit recovery and AIR remediation to students using established criteria. This process will be by referral only. If your student is not referred for the summer program, you can ask your counselor for other programs if there is still a need for grade replacement, new credit, or credit recovery that we cannot serve in our summer program.

Physical Education Waiver
All students who during high school have participated in interscholastic athletics (recognized by the OHSAA), marching band, or cheerleading for at least two full seasons, may waive the required 2 semesters of physical education for graduation. No actual credit is attached for interscholastic athletics and cheerleading. Students still must complete 20 credits to graduate.

A student shall be able to participate in this program provided he or she brings evidence of participation signed by either the athletic or band director and the school principal/designee documenting participation in one or two full seasons of an interscholastic athletic team, marching band, or cheerleading.

Interscholastic athletics shall comprise any sport that has the approval and is sanctioned by the Board and the Ohio High School Athletic Association. Any Pickerington Schools student wishing to use this waiver should submit the PE Waiver Form with course registration. Forms are available in the school counseling office.

Completion of a season will mean that a student has participated in the entire length of a season. A partial participation shall be considered as not completing the season. Any student who is injured during said season and is unable to participate in at least 50% of the season shall be considered as not completing the season. If a student is removed, quits or becomes academically ineligible during the season, said student shall forfeit the option of using that activity as partial fulfillment of the Replacement of Physical Education Policy. Any student who fails to meet the 2-season requirement shall be required to complete the one-half credit of Physical Education before graduating.

Schedule Change Policy
The master schedule of course offerings (teaching assignments) is arranged each year to reflect the student requests made during the spring registration of the previous school year. Request for change will only be honored if space is available.

Students with fewer than 12 credits after two years of high school will be required to take a minimum of six (6) classes per semester. All high school students must take a minimum of five (5) courses and no more than a maximum of seven (7) courses per semester. Since the master schedule is designed based on student interest, any changes after its completion will be limited.

Within the first ten days of school students are expected to make all schedule adjustments prior to the opening of school. Student/parent-initiated schedule changes made after school begins may be made with parent permission and only during the first ten (10) school days. When a course is dropped within this timeframe, the course will be deleted from the student’s transcript. Courses will be dropped and/or added within this timeframe if space is available, and with counselor or administrative approval for the following reasons:
1. to balance classes between semesters/trimesters;
2. to accommodate a senior who may need to make a change to meet graduation requirements;
3. to adjust for courses completed, with a passing grade, in summer school or through correspondence;
4. to drop a study hall and add a class;
5. to accommodate an original request that was not honored due to a scheduling conflict;
6. to change the teacher – only if the student has had the teacher previously for the same course and he/she failed that course;
7. to adjust for special/alternative programming; or
8. to change an inappropriate course level as dictated by the prerequisite.

After the first ten days of school Schedule changes made after the first ten days of school must be approved by the parent, teacher, counselor, and building administrator. Courses will be dropped and/or added within this timeframe if space is available with counselor and administrative approval for the following reasons:

Adding a course: After the first ten days of a semester/trimester, no courses will be added except for students enrolled in a CCP class. Students who drop a CCP class in accordance with the post-secondary partner’s timeline should be permitted to add the HS equivalent if it is required for graduation. The student is responsible for making up missed material.

Dropping a course: Before dropping a course, students must complete the Course Drop Request Form/Procedure. Forms are available in the school counseling office. Upon receipt of a Drop Request Form it must be determined: (1) whether the student is passing or failing. The teacher makes this determination by averaging the grades from all preceding grading periods, including the current grading period, to arrive at a cumulative grade; and, (2) whether the course has passed the midway point of the semester/trimester or year depending upon the length of the course. When both determinations have been made, the following will apply: Before the course is midway through, the following criteria will be applied for all high school courses:

Before the course is midway through, the following criteria will be applied for all high school courses:

- If the cumulative grade is a D- or above, the student will receive an F for the current grading period and a WDP (Withdraw Passing) for the remainder of the course.
- If the cumulative grade is an F, the student will receive an F for the current grading period and a WF (Withdraw Failing) for the remainder of the course.

After the midway point of the course, the following criteria will be applied:

- Upon receipt of the request to drop, the student will receive an F in the current grading period and, regardless of whether the cumulative grade is passing or failing, a WF (Withdraw Failing) will be the grade for the remainder of the course.

Level change: A level change means moving up or down a level within the same subject area course. Once a student, parent and/or teacher recognize that the level of difficulty is not appropriate, a level change should occur immediately. Students wishing to change levels shall complete the appropriate Course Level Request Form before a level change will be permitted. Forms are available in the school counseling office.

Early Graduation

A student may graduate at the end of six or seven semesters provided he/she meets the standard graduation requirements of the State of Ohio and Pickerington Local School District. The student and parent must present a formal written request to his/her school counselor who in turn presents it to the principal for his approval. If the principal approves the request, the written request is then forwarded to the Board of Education for final approval. If the student has not met graduation requirements for early graduation by the requested date, they will be required to return as a full-time student. Early graduation permission must be secured following Board Policy.

Credit Flexibility

Credit flexibility applies to any coursework, assessment or performance completed outside of traditional high school course offerings. If a student is using credit flexibility to receive transcripted credit, he/she must receive approval from the Credit Flexibility Committee prior to starting any credit flex experience.
Credit awarded through this process will be posted on the student’s transcript and count toward a student’s grade point average, class rank, and as graduation credit in required subject areas or as an elective. Students may demonstrate proficiency through the test-out process or they may propose an educational option that demonstrates course proficiency.

**Process**

- Student obtains credit flexibility information/application from school counselor or online.
- Student discusses credit flex proposal with school counselor.
- Student and parent develop credit flexibility plan, complete application and submit to school counselor by deadline.
- Counselor ensures application is complete prior to submitting to principal.
- Principal convenes credit flexibility committee.
- Within 30 days, the committee reviews application, and the principal communicates the decision to the student and parent in writing.
- If revisions are required, the request returns to the committee.
- If denied, the student may appeal to the district superintendent.
- If revisions are approved, the student implements the credit flexibility plan. Then, one of the two following processes occur:

**For course proficiency/test out:**

- School counselor collects test fee (if applicable), orders test materials and schedules the exam. Counselor arranges test proctor and grades test or returns completed test to ACT or College Board.
- Registrar records grade on transcript and counselor communicates status to student and principal.
- School log is updated.

**For educational options:**

- Student proceeds with plan.
- Student completes plan and confirms with teacher of record.
- Teacher fills out grade report and submits to registrar.
- Registrar records grade on transcript and counselor communicates status to student and principal.
- School log is updated.

**Eastland-Fairfield Career and Technical School**

_Eastland-Fairfield Career & Technical School District_ programs are open to all eleventh and twelfth grade students within our district who demonstrate the ability and interest to attend. Students remain enrolled in and still graduate from this school and are encouraged to continue participation in our high school extracurricular activities.

With programs on two campuses and five satellite locations, Eastland-Fairfield is closer than you think. Satellite programs are offered at Gahanna, Groveport Madison, New Albany, Pickerington North, and Reynoldsburg High Schools.
EXPLORE THE POSSIBILITIES.
Eastland-Fairfield Career & Technical Schools offers nearly 40 programs for you to choose from while you’re in high school. Their programs provide you with the opportunity to pursue your talents and interests, whether you’re planning to pursue college or a real-world career. It’s a head start that lets you explore your choices now...and can help you make the most of your choices after graduation.

Agricultural & Environmental Systems
• Animal Management (FCC)
• Environmental Science (New Albany High School)
• Landscape Design & Management (ECC)

Arts & Communication
• Graphic Design (ECC)
• Performing Arts
  (Reynoldsburg H.S. - Livingston Campus)

Finance/Business & Administrative Services/Marketing
• Marketing & Logistics Management
  (Groveport Madison High School)
• Medical Office Technologies (ECC)

Construction Technologies
• Architecture/Construction Management
  (Gahanna Lincoln H.S. - Clark Hall)
• Construction Technologies (FCC)
• Electrical Technology (ECC)
• Heating, Ventilation, Air Conditioning & Refrigeration (FCC)

Education & Training
• Teaching Professions
  (Gahanna Lincoln H.S. - Clark Hall)

Health Science
• Bioscience Technologies
  (Gahanna Lincoln H.S. - Clark Hall)
• Dental Assisting (ECC & FCC)
• Exercise Science (FCC)
• Pharmacy Technician (FCC)
• Pre-Nursing (FCC)

Hospitality & Tourism
• Culinary Arts Academy (ECC)

Human Services
• Cosmetology (ECC & FCC)
• Employability Prep (Offsite)
• Nail Technician (FCC) (Senior Only)
• Project SEARCH (Offsite)

Information Technology
• Cyber Security (FCC)
• Interactive Media (ECC)
• Multimedia (Pickerington High School North)
• Programming & Software Development (ECC)

Law & Public Safety
• Criminal Justice (ECC & FCC)

Manufacturing Technologies
• Pre-Engineering Technologies (ECC)
• Welding (ECC)

Transportation Systems
• Ag/Heavy Equipment Technologies (ECC)
• Auto Technology (ECC & FCC)
• Collision Repair Technology (ECC)

Locations:
• (ECC)—Eastland Career Center, Groveport
• (FCC)—Fairfield Career Center, Carroll

OUR FOCUS. YOUR FUTURE.

www.eastland-fairfield.com
614-836-4530
EASTLAND-FAIRFIELD CAREER & TECHNICAL SCHOOLS

Eastland-Fairfield Career & Technical School District programs are open to all eleventh and twelfth grade students within our district who demonstrate the ability and interest to attend.

Students remain enrolled in and still graduate from this school and are encouraged to continue participation in our high school extracurricular activities.

With programs on two campuses and five satellite locations, Eastland-Fairfield is closer than you think. Satellite programs are offered at Gahanna, Groveport Madison, New Albany, Pickerington North, and Reynoldsburg High Schools.

CONNECTING ACADEMICS TO REAL-WORLD SUCCESS

Eastland-Fairfield Career & Technical Schools allows students to immerse themselves in a career field or profession, spending a half-day with hands-on learning and gaining real-world experience. Classrooms and labs are equipped with the latest technology. Students learn from teachers who are seasoned professionals in their career field. Combine that with top-notch academics, and you have what employers call added value.

FAST TRACK TO A SATISFYING CAREER

The Eastland-Fairfield learning environment extends far beyond the classroom. Internships, job shadowing, community service, field trips, guest speakers, and cooperative education all provide valuable experience, connections, and practice in using technical and people skills.

JUMP START ON COLLEGE AND SAVING MONEY

Not only do Eastland-Fairfield programs prepare students for further study, but many also allow students to earn college credit or enter college with advanced standing. Students can earn college credits in selected programs, graduating with a college transcript that can be taken nearly anywhere!

PROGRAMS LOCATED AT PICKERINGTON HIGH SCHOOL NORTH

Multimedia

Interested in a career combining your love for technology and your creativity? Students learn to combine creativity with technical skills to produce compelling experiences focusing on the design and development of websites. Students are exposed to web design, digital media design, digital photography, video/film production, information technology basics, and core business concepts.

Learn how to use the most current technology to create all types of media—from capturing digital images to designing graphic layouts and websites. The Multimedia program allows you to express your artistic side while enhancing your computer expertise.

Areas of study include:
- animation
- graphic design
- digital video
- digital media production
- motion graphics
- photography
- HTML, CSS, jQuery
- web design
Advanced Standing Courses within the Schools

College Credit Plus (CCP)

College Credit Plus courses are taught by teachers who hold graduate credentials and serve as adjunct instructors for an Ohio college or work directly with college faculty members. CCP is funded by the State of Ohio. Successful completion of coursework in the CCP program allows students to earn college credit that is accepted by all of Ohio’s universities and colleges and many out-of-state and private institutions. Location, manner of delivery, and scheduling of courses may vary. These are not high school courses – these are college courses offered for concurrent high school credit. Parents and students should expect differences in the learning process and plan accordingly.

- Students must meet qualifying grade averages and ACT (or equivalent) scores to take CCP courses. As these are college courses, qualifications are set by the university or college awarding credit and vary between courses and programs.
- Courses follow the same schedule as their college counterparts and are a semester long, and more material is learned independently by the student using course texts. Lectures give context, not information.
- Students taking CCP classes do not take a national exam for college credit at the end of the course, nor is end-of-course AIR testing required for History, Government, or Science.
- By state law, students are not charged for courses in the program, unless courses are failed or students withdraw after two weeks.

Changes in Student Privacy: FERPA and CCP

Under the Family Educational Rights and Privacy Act (FERPA), parental rights transfer to a student who turns 18 or enters post-secondary education. This encompasses all dual enrollment classes offered by the district in cooperation with a college or university, including those offered within the school buildings by district faculty serving as college adjuncts. Parents still maintain the right to access student records (e.g., final grades, attendance) if the student is a dependent student for tax purposes, but any communication about student work, performance, or other issues from the normal course of instruction are kept between the instructor and student.

Students are accountable for their own behaviors and actions. Compliance with the rules of the school, including attendance, will be addressed directly with the student. Correspondence from the school will be sent directly to the student via the district-provide email. It is the expectation of the student to keep his/her parent informed.

Deadlines

- The signed annual Declaration of Intent form for the student must be submitted to the counseling office of the student’s school prior to April 1st for students to take CCP courses on a college campus or online the following school year. If the Declaration of Intent is not on record prior to the end of the school year, students will not be eligible for participation in CCP courses the following year.
- Students must have completed an application to the partnering college for the CCP courses in which a student wishes to enroll. College deadlines for application will be honored by the school district. Student need not reapply to a college. Students that have not applied to the college partner for locally-offered CCP courses prior to the end of the school year will not be eligible for participation in such courses.
- Different colleges use different college-readiness assessments and set their own policies about testing. For all CCP courses within the district, students must have college-ready scores on record within the district prior to Spring Break to enroll in courses the following year.
About the AP Exam
Students are encouraged, but not required, to take the AP exam to receive weighted credit for their courses. The AP exams in American History and American Government replace the state-required end-of-course examinations for points toward graduation.

The optional AP test will be offered for each course; in the case of Economics and Physics C, there are two exams. Students will be automatically assigned a test upon enrollment in the course. If a student wishes to opt out of the test, their parent/guardian will be required to do so in writing to the AP Coordinator no later than the due date provided at the beginning of the school year. College Board averages $94 per AP test but this fee is subject to change each year. PLSD will reduce or eliminate the test fee for those that qualify for the Free and Reduced Lunch Program pending available funding and the number of students enrolled in the AP program. PLSD encourages all students to take the associated AP tests for their course.

Planning for the Long Run

Students should consider their own individual uniqueness as learners in planning their courses of study within the Pickerington Schools. Rather than planning around a grade point average or specific set of courses, students and families should bear in mind the following:

1. Colleges, especially in Ohio, have focused on unweighted GPAs and are typically asking for students that are willing to accept a challenge, but not at the expense of being well-rounded in their experiences;
2. Academic preparation in a wide field of study is essential for quality student career and college exploration, and students are encouraged to focus on their end goal, rather than “going with the crowd”;
3. Specific college and career goals have varied and diverse curricula that helps promote student success

To this end, please review the following sample pathways and associated courses of secondary and post-secondary study from the State of Ohio. More pathways and examples are available via OhioMeansJobs online.
NCAA Course Eligibility for College-Bound Athletes

If students are planning to enroll in college and wish to participate in Division I or Division II sports, they must be certified by the NCAA Initial-Eligibility Center. There are several steps in this process. Students should initiate the process early in their sophomore year. For more detailed information and the application materials, contact the Guidance Office or refer to: https://web3.ncaa.org/ecwr3/ Please note: Most flex credit and correspondence courses do not meet NCAA eligibility requirements. Please check with your counselor about specific requirements.
Sample learning pathways

Sample Pathway: Veterinary Medicine

Agriculture and Environmental Systems Career Pathway

Secondary Pathway: Animal Science and Management

Postsecondary Program: Veterinary Technology

An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Secondary</th>
<th>7 8</th>
<th>9 10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>English I</td>
<td>Algebra I</td>
<td>Physical Science</td>
<td>Social Studies</td>
<td>Fine Arts</td>
</tr>
<tr>
<td>7 8</td>
<td>9 10</td>
<td>11</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Geometry</td>
<td>Biology</td>
<td>World History</td>
<td>Health (.5)</td>
<td>Animal Science &amp; Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PE (.5)</td>
<td>Animal Selection, Nutrition, &amp; Mgt</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>World Languages</td>
</tr>
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<td></td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Postsecondary</th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td>College Seminar</td>
<td>English Composition I</td>
</tr>
<tr>
<td>2nd Semester</td>
<td>Interpersonal Skills</td>
<td>Clinical Pathology II</td>
</tr>
<tr>
<td>Animal Anatomy &amp; Physiology</td>
<td>Ethics</td>
<td>Veterinary Pharmacology</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology I</td>
<td>Biochemistry</td>
<td>Large Animal Health &amp; Disease</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology II</td>
<td>Veterinary Nutrition</td>
<td>Veterinary Seminar I &amp; II</td>
</tr>
<tr>
<td>Small Animal Medicine</td>
<td>Animal Medicine</td>
<td>Veterinary Practicum I &amp; II</td>
</tr>
<tr>
<td>Veterinary Radiography</td>
<td>Small Animal Health &amp; Disease</td>
<td>Humanitas Elective</td>
</tr>
<tr>
<td>Veterinary Anesthesia</td>
<td>Veterinary Surgical Techniques</td>
<td>Clinical Applications I</td>
</tr>
<tr>
<td>Veterinary Parasitology</td>
<td>Social Science Elective</td>
<td>Clinical Applications II</td>
</tr>
</tbody>
</table>
### Sample Pathway: Graphic Design

#### Secondary Pathway: Visual Design and Imaging

<table>
<thead>
<tr>
<th>Year</th>
<th>Course 1</th>
<th>Course 2</th>
<th>Course 3</th>
<th>Course 4</th>
<th>Course 5</th>
<th>Course 6</th>
<th>Course 7</th>
<th>Course 8</th>
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</thead>
<tbody>
<tr>
<td>7</td>
<td>English I</td>
<td>Algebra I</td>
<td>Science</td>
<td>Social Studies</td>
<td>Fine Arts</td>
<td>Arts &amp; Communication Primer</td>
<td>Business of Arts and Communication</td>
<td>World Languages</td>
</tr>
<tr>
<td>8</td>
<td>English II</td>
<td>Algebra II</td>
<td>Science</td>
<td>Social Studies</td>
<td>Fine Arts</td>
<td>Arts &amp; Communication Primer</td>
<td>Business of Arts and Communication</td>
<td>World Languages</td>
</tr>
<tr>
<td>9</td>
<td>English III</td>
<td>Geometry</td>
<td>Biology</td>
<td>World History</td>
<td>Health (5) PE (5)</td>
<td>Intro to Visual Design</td>
<td>World Languages</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>English IV</td>
<td>Algebra II</td>
<td>Chemistry</td>
<td>U.S. History</td>
<td>Visual Creation</td>
<td>Digital Print Design</td>
<td>World Languages</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>English V</td>
<td>Trigonometry/Calculus</td>
<td>Physics</td>
<td>U.S. Government</td>
<td>Multi-Media Web Production</td>
<td>Photographic Composition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>English VI</td>
<td>Calculus</td>
<td>Physics</td>
<td>U.S. Government</td>
<td>Multi-Media Web Production</td>
<td>Photographic Composition</td>
<td></td>
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</table>

#### Postsecondary Program: Graphic Design

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Course 1</th>
<th>Course 2</th>
<th>Course 3</th>
<th>Course 4</th>
<th>Course 5</th>
<th>Course 6</th>
<th>Course 7</th>
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</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td>English</td>
<td>College Algebra</td>
<td>Computer Applications for Mac</td>
<td>Digital Imaging</td>
<td>Drawing I</td>
<td>Vector Graphic Design</td>
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<table>
<thead>
<tr>
<th>Year 2</th>
<th>Course 1</th>
<th>Course 2</th>
<th>Course 3</th>
<th>Course 4</th>
<th>Course 5</th>
<th>Course 6</th>
<th>Course 7</th>
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</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td>Public Speaking</td>
<td>Accounting</td>
<td>Digital Video</td>
<td>Digital Photography</td>
<td>Interactive Media</td>
<td>Web Design</td>
<td></td>
</tr>
<tr>
<td>2nd Semester</td>
<td>Advanced Graphic Design</td>
<td>History of Western Art</td>
<td>Advanced Graphic Design &amp; History</td>
<td>Technical Communication</td>
<td>Physical Science for Technology</td>
<td>3D Graphics</td>
<td></td>
</tr>
</tbody>
</table>

An Example of Courses with Secondary and Postsecondary Credits

Visit education.ohio.gov/CareerConnections for reference information. Course titles and sequences will vary between schools.

Recommended Electives

High School Courses for Postsecondary Credit (including Apprenticeship Hours) and the Corresponding Postsecondary Courses:

- Business of Arts and Communication
- World Languages
- Multi-Media Web Production
- Photographic Composition
- Vector Graphic Design
- Electronic Page Layout
- Web Design
- 3D Graphics

11/2014
# Sample Pathway: Education

## Education and Training

### Career Pathway

**Secondary Pathway:** Teaching Professions  
**Postsecondary Program:** Teacher Assistant

### An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Secondary</th>
<th>Postsecondary</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
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<tr>
<td>11</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Postsecondary</th>
</tr>
</thead>
</table>
| 1st Semester | English Composition I  
| 2nd Semester | English Composition II  

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Postsecondary</th>
</tr>
</thead>
</table>
| 1st Semester | Business Math  
| 2nd Semester | History  

### High School Career Technical Education Program Courses

- High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses
  - Required Courses
  - Recommended Electives

Visit [education.ohio.gov](http://education.ohio.gov) for more information.  
Course titles and sequences will vary between schools.

1/29/16
Sample Pathway: Engineering

Engineering and Science Technologies Career Pathway

Secondary Pathway: **Engineering and Design**  
Postsecondary Program: **Engineering Technology**

An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Secondary</th>
<th>Postsecondary</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 8</td>
<td>English I</td>
</tr>
<tr>
<td>9 10</td>
<td>English II</td>
</tr>
<tr>
<td>11</td>
<td>English III</td>
</tr>
<tr>
<td>12</td>
<td>English IV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Postsecondary</th>
</tr>
</thead>
</table>
| Year 1  
1st Semester | English Composition I | Technical Math I | Intro to Engineering | Manufacturing Processes | Engineering Design |
| Year 1  
2nd Semester | English Composition II | Technical Math II | Physics I | CAD I | Hydraulics & Pneumatics | Statics |
| Year 2  
1st Semester | Chemistry | Strength of Materials | Physics II | CAD II | Ethics |
| Year 2  
2nd Semester | Group Communication | Mechanical Design Project | Engineering Economics & Organization | Programmable Logic Control | Robotics | Alternative Energy |

High School Career-Technical Education Program Courses

- High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses
- Required Courses
- Recommended Electives

Visit education.ohio.gov/CareerConnections for reference information.  
Course titles and sequences will vary between schools.
## Sample Pathway: Finance

### Finance Career Pathway

#### Secondary Pathway: Finance

#### Postsecondary Program: Financial Services

**An Example of Courses with Secondary and Postsecondary Credits**

<table>
<thead>
<tr>
<th>Year</th>
<th>Course 1</th>
<th>Course 2</th>
<th>Course 3</th>
<th>Course 4</th>
<th>Course 5</th>
<th>Course 6</th>
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</thead>
<tbody>
<tr>
<td>7</td>
<td>English I</td>
<td>Algebra I</td>
<td>Physical Science</td>
<td>Social Studies</td>
<td>Fine Arts</td>
<td>Business Foundations</td>
</tr>
<tr>
<td>8</td>
<td>English II</td>
<td>Geometry</td>
<td>Biology</td>
<td>World History</td>
<td>Health (S) PE (S)</td>
<td>Finance Foundations</td>
</tr>
<tr>
<td>9</td>
<td>English III</td>
<td>Algebra II</td>
<td>Chemistry</td>
<td>U.S. History</td>
<td>Financial Accounting</td>
<td>Financial Services Operations</td>
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<tr>
<td>10</td>
<td>English IV</td>
<td>Trigonometry/ Calculus</td>
<td>Physics</td>
<td>U.S. Government</td>
<td>Management Principles</td>
<td>Finance Capstone</td>
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### Postsecondary

<table>
<thead>
<tr>
<th>Year</th>
<th>Course 1</th>
<th>Course 2</th>
<th>Course 3</th>
<th>Course 4</th>
<th>Course 5</th>
<th>Course 6</th>
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<tbody>
<tr>
<td>1st Semester</td>
<td>English Composition I</td>
<td>Financial Accounting</td>
<td>Legal Environment of Business</td>
<td>Microcomputer Applications I</td>
<td>Macro-economics</td>
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<tr>
<td>2nd Semester</td>
<td>English Composition II</td>
<td>Managerial Accounting</td>
<td>Principles of Banking</td>
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<td>Micro-economics</td>
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<tr>
<td>Year 1</td>
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<td>Business Finance</td>
<td>Principles of Management</td>
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<td>Elective</td>
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<tr>
<td>1st Semester</td>
<td>Business Communication</td>
<td>Principles of Insurance</td>
<td>Fundamentals of Investments</td>
<td>Principles of Marketing</td>
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</tr>
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<td>Year 2</td>
<td>2nd Semester</td>
<td></td>
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</tr>
</tbody>
</table>

**High School Career Technical Education Program Courses**

- High School Courses for Postsecondary Credit (including Apprenticeship Hours) and the Corresponding Postsecondary Courses
- Required Courses
- Recommended Electives

Visit education.ohio.gov/Career/Connections for reference information.

Course titles and sequences will vary between schools.

June 2015
Sample Pathway: Medical Technologies

Health Science Career Pathway

Secondary Pathway: **Medical Bioscience**

Postsecondary Program: **Medical Laboratory Technology**

An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Secondary</th>
<th>English I</th>
<th>Algebra I</th>
<th>Physical Science</th>
<th>Social Studies</th>
<th>Fine Arts</th>
<th>Health Science &amp; Technology</th>
</tr>
</thead>
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<tr>
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</table>

<table>
<thead>
<tr>
<th>Postsecondary</th>
<th>Year 1 1st Semester</th>
<th>English Composition</th>
<th>College Algebra</th>
<th>Human Anatomy</th>
<th>Intro to Medical Lab Technology</th>
<th>Hematology I</th>
<th>Medical Terminology</th>
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<tbody>
<tr>
<td>Year 1 2nd Semester</td>
<td>Immunology</td>
<td>Microbiology</td>
<td>Clinical Chemistry</td>
<td>Human Physiology</td>
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<tr>
<td>Year 2 1st Semester</td>
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<td>Psychology</td>
<td>Intro to Humanities</td>
<td>Body Fluids</td>
<td>Venipuncture for HC Providers</td>
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<td>Year 2 2nd Semester</td>
<td>Healthcare Resource Management</td>
<td>Medical Lab Case Studies</td>
<td>Immunohematology</td>
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</table>

High School Career Technical Education Program Courses

High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

<table>
<thead>
<tr>
<th>Required Courses</th>
<th></th>
<th>Recommended Electives</th>
</tr>
</thead>
</table>

Visit education.ohio.gov/Career/Connections for reference information.
Course titles and sequences will vary between schools.

6/2017
## Sample Pathway: Nursing

### Health Science Career Pathway

#### Secondary Pathway: Allied Health and Nursing

#### Postsecondary Program: Nursing

**An Example of Courses with Secondary and Postsecondary Credits**

<table>
<thead>
<tr>
<th>Year</th>
<th>Term</th>
<th>Course</th>
<th>Health Science &amp; Technology</th>
<th>Social Studies</th>
<th>Fine Arts</th>
<th>Health Science &amp; Technology</th>
<th>Allied Health</th>
<th>World Languages</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
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<td>English I</td>
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<tr>
<td>10</td>
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<td>Biology</td>
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<td>Health History</td>
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### Postsecondary

<table>
<thead>
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</tbody>
</table>

Visit education.ohio.gov/CareerConnections for reference information. Course titles and sequences will vary between schools. 11/2014
### Sample Pathway: Physical Therapy

**Health Science Pathway Model**

**Secondary Pathway:** *Exercise Science and Sports Medicine*  
**Postsecondary Program:** *Physical Therapy Assistant*

#### An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Secondary</th>
<th>Year 1 1st Semester</th>
<th>Year 1 2nd Semester</th>
<th>Year 2 1st Semester</th>
<th>Year 2 2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 8</td>
<td>English I</td>
<td>Intro to Physical Therapy</td>
<td>Physical Therapy Procedures I</td>
<td>Human Growth &amp; Development</td>
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<tr>
<td>9 10</td>
<td>English II</td>
<td>Geometry</td>
<td>Biology</td>
<td>PT Special Topics</td>
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<td>Social Studies</td>
<td>World History</td>
<td>Health (S) PE (S)</td>
<td>Directed Practice II &amp; III</td>
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<tr>
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<td>Fine Arts</td>
<td>Medical Terminology</td>
<td>Exercise &amp; Athletic Training</td>
<td>Seminar II &amp; III</td>
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<td>Health Science &amp; Technology</td>
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<td>Medical Terminology</td>
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<td>Human Anatomy &amp; Physiology</td>
<td>PT Trends &amp; Issues</td>
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<td>World Languages</td>
<td>Directed Practice I</td>
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**Postsecondary**

<table>
<thead>
<tr>
<th>Year 1 1st Semester</th>
<th>Year 1 2nd Semester</th>
<th>Year 2 1st Semester</th>
<th>Year 2 2nd Semester</th>
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<td>Rehabilitation I</td>
<td>Calculus</td>
<td>Human Growth &amp; Development</td>
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<td>Physical Therapy Procedures I</td>
<td>Physical Therapy Procedures III</td>
<td>PT Special Topics</td>
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<td>PT Trends &amp; Issues</td>
<td>Directed Practice II &amp; III</td>
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<td>Seminar II &amp; III</td>
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<td>First-Year Capstone</td>
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</table>

**High School Career Technical Education Program Courses**

<table>
<thead>
<tr>
<th>High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
</tr>
<tr>
<td>Recommended Electives</td>
</tr>
</tbody>
</table>

Visit education.ohio.gov/CareerConnections for reference information  
Course titles and sequences will vary between schools.

42015
### Sample Pathway: Human and Social Services

#### An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Secondary</th>
<th>7</th>
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<tr>
<td>English I</td>
<td>Algebra I</td>
<td>Physical Science</td>
<td>Social Studies</td>
<td>Fine Arts</td>
<td>Introduction to Human Services</td>
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<td>Biology</td>
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<td>PE (S)</td>
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<td>U.S. History</td>
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<td>U.S. Government</td>
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<th>Postsecondary</th>
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<td>English Composition I</td>
<td>Fundamentals of Communication</td>
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<td>Principles of Social Work</td>
<td>Abnormal Psychology</td>
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<td>Psychology I</td>
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<td>Human Services Practicum I</td>
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<td>Social Welfare and Policy</td>
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</tbody>
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Visit education.ohio.gov/Career/Connections for reference information.
Course titles and sequences will vary between schools.

4/2015
# Sample Pathway: Marketing

## Marketing Career Pathway

**Secondary Pathway:** Marketing Management  
**Postsecondary Program:** Marketing

### An Example of Courses with Secondary and Postsecondary Credits

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### High School Career Technical Education Program Courses

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<th>Course Title</th>
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<td>High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses</td>
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</table>

**Required Courses**  
Recommended Electives

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Visit education.ohio.gov for more information.  
Course titles and sequences will vary between schools.
Course Offerings for 2019-2020

New Offerings and Changes for 2019-2020

English Course Offerings

Math Course Offerings

Science Course Offerings

Physical Sciences

Life Sciences

Earth Sciences

Other Advanced Sciences

World Language Course Offerings

Social Studies Course Offerings

Business & Marketing Course Offerings

Integrated Technology Course Offerings

Manufacturing and Construction

Computer Science and Information Technologies

Engineering

Multimedia Technologies

Visual Arts Course Offerings

Music Course Offerings

Theatre Course Offerings

Health and Physical Education Course Offerings

Service Learning and Education Course Offerings

Credit Flex Options

Online Course Options
New Offerings and Changes for 2019-2020

English:
- New - Creative Writing
- New - Film and Genre Studies
- New - African-American Literature

Theatre:
- Actors’ Studio is now Actors’ Studio 1
- Advanced Actors’ Studio is now Actors’ Studio 2
- Theatre Production through CCP is discontinued

Foreign/World Languages:
- Level 2 of Global Scholars Program

Science:
- CCP Chemistry is discontinued and will be returned to Honors Chemistry
- Food Science is discontinued
- Ecology is discontinued
- Earth and Space Science is a new course, combining Oceanography, Meteorology, and Astronomy in a year-long course

Social Studies:
- Honors American History is discontinued; three levels of the material are available (Regular, AP, and CCP)
- AP Human Geography is a new course providing freshmen with an alternative path for World History credit, or as another excellent elective AP course option. AP European History is also available for this same purpose.
- Contemporary Issues will become a year-long course focusing on the history of American military actions

Integrated Technology:
- Cybersecurity is a new course
- Renamed - Introduction to Video and Television Broadcasting
- Combined - Advanced Video and Television Broadcasting into one course
- Discontinued - Architectural Drafting and Design and Advanced Drafting, Drawing and Design

Art:
- Art through CCP is discontinued
- Intermediate Ceramics classes will be combined

New Online Options:
- Work-Based Learning Options
- Online Options (Employability Skills and Skilled Caregiver)
English Course Offerings

**English 9**
This course is designed to develop and expand on Ohio’s Learning Standards for English and Language Arts.

- Course Number: 405
- Duration: Full Year
- Credits: 1
- Grade: 9th
- Fees: $19

Additional: Required unless taking ESL English, Honors English 9, or CCP for ELA credit. End-of-Course State Test required.

Students may be asked to obtain an independent reading text on their own at times.

**Honors English 9**
The district recommends honors English classes for students interested in extending learning beyond regular courses through greater depth of content exploration and enrichment/mastery of Ohio’s Learning Standards and the skill sets requisite for success in AP and college-level course work.

In addition to covering the same skills as English 9, Honors English 9 classes will include independent reading and the exploration of each unit at a deeper level by debating, conducting extended research related to contextual topics surrounding the texts/units, creating and presenting multi-modal projects which are differentiated by learning styles, and applying the knowledge learned from the units to real-world situations.

- Course Number: 408H
- Duration: Full Year
- Credits: 1
- Grade: 9th
- Fees: $19

Additional: Fulfills English requirement. End-of-Course State Test required.

Students may be asked to obtain an independent reading text on their own at times.

**English 10**
This course is designed to develop and expand on Ohio’s Learning Standards for English and Language Arts.

- Course Number: 411
- Duration: Full Year
- Credits: 1
- Grade: 10th
- Fees: $19

Additional: Required unless taking ESL English, Honors English 10, or an AP or CCP for ELA credit.

End-of-Course State Test required. Students may be asked to obtain an independent reading text on their own at times.

**Honors English 10**
The district recommends honors English classes for students interested in extending learning beyond regular courses through greater depth of content exploration and enrichment/mastery of Ohio’s Learning Standards and the skill sets requisite for success in AP and college-level course work.

In addition to covering the same skills as English 10, Honors English 10 classes will include independent reading and the exploration of each unit at a deeper level by debating, conducting extended research related to contextual topics surrounding the texts/units, creating and presenting multi-modal projects which are differentiated by learning styles, and applying the knowledge learned from the units to real-world situations.

- Course Number: 414H
- Duration: Full Year
- Credits: 1
- Grade: 10th
- Fees: $19

Additional: Fulfills English requirement. End-of-Course State Test required.

Students may be asked to obtain an independent reading text on their own at times.

**English 11**
This course is designed to develop and expand on Ohio’s Learning Standards for English and Language Arts.

- Course Number: 417
- Duration: Full Year
- Credits: 1
- Grade: 11th
- Fees: $9

Additional: Required unless taking ESL English or an AP or CCP course for ELA credit.

Students may be asked to obtain an independent reading text on their own at times.
English 12
This course is designed to develop and expand on Ohio’s Learning Standards for English and Language Arts.
Course Number: 429  Duration: Full Year  Credits: 1  Grade: 12th  Fees: None
Additional: Required unless taking ESL English or an AP or CCP course for ELA credit.
Students may be asked to obtain an independent reading text on their own at times

AP English Language and Composition
The AP Program is intended for any student who wishes to work on a collegiate level in high school. The College Board encourages high schools to remove all barriers to admittance for AP courses. This course emphasizes the development of skills in critical reading of texts from a variety of historical periods and disciplines. American literary and non-fictional texts are emphasized and include literature, speeches, sermons, historical documents, personal narratives, novels, short stories, and poetry. This is for the students capable of doing college-level work in English while they are in secondary school and willing to devote the energy necessary to complete a course more rigorous and demanding than other high school English courses designed for the college-bound student. Advanced Placement courses are demanding and require daily homework. The class concludes with a college level exam, prepared by the College Board, which, if passed, may result in college credit.
Course Number: 418AP  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: $22
Additional: Fulfills one English credit; students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers. Students may be asked to obtain an independent reading text on their own at times

AP English Literature and Composition
The AP Program is intended for any student who wishes to work on a collegiate level in high school. The College Board encourages high schools to remove all barriers to admittance for AP courses. This is a course emphasizing the development of skills in critical reading of "texts of recognized literary merit" and in writing about literature and related ideas. Response to classic and modern literature will be used in class discussions, informal and formal writing assignments, oral presentations, and research. This is for the students capable of doing college-level work in English while they are in secondary school and willing to devote the energy necessary to complete a course more rigorous and demanding than other high school English courses designed for the college-bound student. Advanced placement courses are demanding and require daily homework. The class concludes with a college level exam, prepared by the College Board, which, if passed, may result in college credit.
Course Number: 419AP  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: $22
Additional: Fulfills one English credit; students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers. Students may be asked to obtain an independent reading text on their own at times

Composition I CCP
The student will compose papers using expository writing while incorporating one’s own thinking with credible research using MLA format. The student also will be introduced to APA format guidelines. The course emphasizes critical thinking, analytical reading, thesis development and deep revision of one’s own compositions. The course also includes analysis of audience and theme in one’s own writing and the writings of others, while developing the student’s critical reading skills.
Course Number: ENGL112CCP  Duration: Semester  Credits: 1 High School English/3 College
Grade: 9th - 12th  Fees: None
Additional: Application to college partner and college-ready score (Minimum 18 ACT English or 5 on WritePlacer) completed prior to dates required by the program. See the district CCP webpage for more information.
**Composition II CCP**

In this course, using the framework of the American experience theme, the student will continue to develop proficiencies in analytical reading, critical thinking, thesis development, deep revision, and research of credible sources. Composition II emphasizes problem solving with writing-intensive assignments grounded in argumentation. The student will evaluate readings from historical, social, and political perspectives. Examination of one's own position in relation to audience and evidence facilitates awareness of a writer's ethical responsibilities. Research of multiple sources using APA format is required.

By the end of Composition II, the student will have written a variety of texts, including at least one researched essay, with opportunities for response and revision. This formal writing will total a minimum of 20 pages.

**Course Number:** ENGL113CCP  
**Duration:** Semester  
**Credits:** 1 High School English/3 College  
**Grade:** 9th - 12th  
**Fees:** None  

*Additional*: Application to college partner prior to deadline; college credit for Composition I via CCP (C or better) or qualifying AP English exam score. [See the district CCP webpage for more information.](#)

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**Survey of American Literature I CCP**

CCP Literature courses are based on the time period covered. Courses may be taken in any sequence. Survey of American Literature I is designed to expose students to a wide range of early American literature. In this course, the student will examine the works of major writers in the U.S., from the early settlements to 1865. The student will read and critically analyze various genres, including essays, short stories, fiction, and the novel. The student will also use literary criticism and theories including, but not limited to, biographical criticism, gender criticism, historical criticism, psychological theories, and reader-response theories.

Through a series of close readings, discussions, reader responses, critical essays, and argumentative papers, the student will trace the development of both literary and cultural movements such as Puritanism, Romanticism and Transcendentalism.

**Course Number:** ENGL211CCP  
**Duration:** Semester  
**Credits:** 1 High School English/3 College  
**Grade:** 9th - 12th  
**Fees:** None  

*Additional*: Application to college partner prior to deadline; college credit for Composition I via CCP (C or better) or qualifying AP English exam score. [See the district CCP webpage for more information.](#)

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**Survey of American Literature II CCP**

CCP Literature courses are based on the time period covered. Courses may be taken in any sequence. Survey of American Literature II is designed to expose the student to a wide range of later American literature. In this course, the student will examine the works of major writers in the U.S., beginning with the years following the Civil War and leading up to the present day.

The student will read and critically analyze various genres, including essays, short stories, fiction, drama, and the novel. The student will also use literary criticism and theories including, but not limited to, biographical, gender, and historical criticisms, psychological theories, and reader-response theories.

Through a series of close readings, discussions, reader responses, critical essays, and argumentative papers, the student will trace the development of both literary and cultural movements such as Realism and Modernism.

**Course Number:** ENGL212CCP  
**Duration:** Semester  
**Credits:** 1 High School English/3 College  
**Grade:** 9th - 12th  
**Fees:** None  

*Additional*: Application to college partner prior to deadline; college credit for Composition I via CCP (C or better) or qualifying AP English exam score. [See the district CCP webpage for more information.](#)
**Survey of British Literature I CCP**

CCP Literature courses are based on the time period covered. Courses may be taken in any sequence. This course provides the student with a general background in the literary, philosophical, and historical trends from the Middle Ages through the eighteenth century in Britain. The student will examine representative works from this historical period, tracing developments in style, language, and genre. The student will also make connections between the literature and the social and political events that contributed to its production. The student will use literary criticism and theories including, but not limited to, biographical criticism, gender criticism, historical criticism, psychological theories, and reader-response theories.

Through a series of close readings, discussions, reader responses, critical essays, and argumentative papers, the student will trace the development of historical, cultural, and literary movements, such as the Middle Ages, Renaissance, Restoration, and Enlightenment.

*Course Number: ENGL221CCP  Duration: Semester  Credits: 1 High School English/3 College  Grade: 9th - 12th  Fees: None*

*Additional: Application to college partner prior to deadline; college credit for Composition I via CCP (C or better) or qualifying AP English exam score. See the district CCP webpage for more information.*

**Survey of British Literature II CCP**

CCP Literature courses are based on the time period covered. Courses may be taken in any sequence. This course provides the student with a general background in the literary, philosophical, and historical trends from 1800 to the present in Britain. The student will examine representative works from this historical period, tracing developments in style, language, and genre. The student will also make connections between the literature and the social and political events that contributed to its production. The student will use literary criticism and theories including, but not limited to, biographical criticism, gender criticism, historical criticism, psychological theories, and reader-response theories.

Through a series of close readings, discussions, reader responses, critical essays, and argumentative papers, the student will trace the development of historical, cultural, and literary movements, such as the Romantic period, Victorian period, and the Twentieth Century.

*Course Number: ENGL222CCP  Duration: Semester  Credits: 1 High School English/3 College  Grade: 9th - 12th  Fees: None*

*Additional: Application to college partner prior to deadline; college credit for Composition I via CCP (C or better) or qualifying AP English exam score. See the district CCP webpage for more information.*

**Journalism 1**

This course will introduce the basic skills necessary to be a journalist and will greatly benefit students interested in a career in communications. It will cover assorted topics: mass media, reporting, editing, advertising, and news on the journalism site. In addition, the students will write articles for the school site and an emphasis will be placed on writing.

*Course Number: 444  Duration: Semester  Credits: .5  Grade: 9th - 12th  Fees: None*

*Additional: Elective course*

**Journalism 2**

This course is offered for students who wish to advance their skills in the field of journalism. The course will concentrate on the production of the high school journalism site. Students will construct and publish monthly a school article for the site. News reporting, photography, advertising, and article make-up will be emphasized.

*Course Number: 446  Duration: Semester  Credits: .5  Grade: 10th - 12th  Fees: None*

*Additional: Elective course*
**Yearbook**
Students learn the basics of magazine layout and design, copywriting, marketing, desktop publishing, photography, and deadline production. Students will produce pages in the yearbook.
As students learn, they will earn the opportunity to work toward editorial positions. Yearbook may be offered as an independent study with approval of instructor.

Course Number: 807  
Duration: Full Year  
Credits: 1  
Grade: 9th - 12th  
Fees: None
Additional: Elective course. Instructor approval required.

**Creative Writing**
This course is designed for students who enjoy writing as a form of art and personal expression. In this course, students will explore the elements of numerous literary genres (short fiction, poetry, drama, film) and the power of both print and multimedia formats. To develop original writing pieces, students will engage in writing workshops, literary element development lessons, writing/author studies, and peer reviews/conferences. To show evidence of writing development throughout the course, students will be required to engage in community writing activities that require sharing one's work and in publishing one's writing beyond the classroom setting.

Course Number: TBA  
Duration: Semester  
Credits: .5  
Grade: 9th - 12th  
Fees: None
Additional: Elective course.

**Film and Genre Studies**
This course will explore the characteristics of different genres of storytelling and study how these elements have been used, evolved, and been changed by different filmmakers and for different audiences and eras. Both films and literature will be used in this course.

Course Number: TBA  
Duration: Semester  
Credits: .5  
Grade: 9th - 12th  
Fees: None
Additional: Elective course.

**African-American Literature**
This course is a comprehensive description of the African-American Experience in Literature. Students enrolled in this course are introduced to the works of African-American authors, and they are used as tools to highlight important issues affecting the African-American community (i.e. cultural, historical, social, political, and economical). Through exposure to authors whose ideas and values reflect diverse backgrounds, students will appreciate the differences as well as the similarities among all people. Reading selections will include fiction, nonfiction, drama, and poetry. The writing assignments will include the modes of exposition, literary analysis, narration, and description. There will be opportunities to express learning in more creative or artistic modes as well. Students will also view supplemental video to support historical chronology and will gain an appreciation for the music (i.e. gospel, spirituals) that is a fundamental component of slave narratives and African-American literature. Units comprising this course include Slave Narratives & Resistance, Women’s Voices, The Rise of the Black Middle Class, Harlem Renaissance, Blacks in Business, and Contemporary Literature.

Course Number: TBA  
Duration: Semester  
Credits: .5  
Grade: 9th - 12th  
Fees: $9
Additional: Elective course
Public Speaking and Discourse
This course is designed to build a student’s confidence and improve communication skills in public speaking. The student will study effective ways to communicate, i.e. learning the vocalization process; using nonverbal and verbal techniques to communicate effectively; developing key listening skills; making language choices in speech preparation; organizing and delivering speeches for various purposes; and becoming more effective in group discussions.
The emphasis in this class is on active participation and on presenting a variety of speeches. Speaking in front of others will no longer intimidate the student who successfully completes this course.

Course Number: 410   Duration: Semester   Credits: .5   Grade: 9th - 12th   Fees: None   Additional: None
Math Course Offerings

**Algebra 1**
The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Students will focus on the 5 critical areas of Algebra 1: (1) relationships between quantities and reasoning with equations; (2) linear and exponential relationships; (3) descriptive statistics; (4) expressions and equations; and (5) quadratic functions and modeling.

<table>
<thead>
<tr>
<th>Course Number: 302</th>
<th>Duration: Full Year</th>
<th>Credits: 1</th>
<th>Grade: 9-12</th>
<th>Fees: $10</th>
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<tbody>
<tr>
<td></td>
<td>Additional: End-of-Course state test required</td>
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**Geometry**
The fundamental purpose of the course in Geometry is to formalize and extend students’ geometric experiences from the middle grades. Students will focus on the 6 critical areas of Geometry: (1) applications of probability; (2) congruence, proof, and construction; (3) similarity, proof, and trigonometry; (4) connecting Algebra and Geometry through coordinates; (5) circles with or without coordinates; and (6) extending to three dimensions. Topics include triangle congruence and similarity, trigonometry, two and three-dimensional objects, extension of Pythagorean theorem, circle theorems, theoretical and experimental probabilities.

<table>
<thead>
<tr>
<th>Course Number: 308</th>
<th>Duration: Full Year</th>
<th>Credits: 1</th>
<th>Grade: 9-12</th>
<th>Fees: $10</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Additional: High school credit in Algebra 1 required; End-of-Course state test required</td>
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</tbody>
</table>

**Honors Geometry**
The fundamental purpose of the course in Geometry is to formalize and extend students’ geometric experiences from the middle grades. Students will focus on the 6 critical areas of Geometry: (1) applications of probability; (2) congruence, proof, and construction; (3) similarity, proof, and trigonometry; (4) connecting Algebra and Geometry through coordinates; (5) circles with or without coordinates; and (6) extending to three dimensions. Honors-level concepts include additional constructions and probability, deriving area formulas, proving Laws of Sines and Cosines, as well as completion of several contextual problems.

<table>
<thead>
<tr>
<th>Course Number: 308H</th>
<th>Duration: Full Year</th>
<th>Credits: 1</th>
<th>Grade: 9-12</th>
<th>Fees: $10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional: Credit in Algebra 1 required; recommended for those seeking challenge; End-of-Course state test required</td>
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</table>

**Algebra 2**
This course extends students repertoire of functions. Students will focus on the 4 critical areas of Algebra 2: (1) Inferences and Conclusions from Data; (2) Polynomials, Rational and Radical Relationships; (3) Trigonometry of General Triangles and Trigonometric Functions; and (4) Modeling with Functions.

<table>
<thead>
<tr>
<th>Course Number: 314</th>
<th>Duration: Full Year</th>
<th>Credits: 1</th>
<th>Grade: 9-12</th>
<th>Fees: $10</th>
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<tbody>
<tr>
<td></td>
<td>Additional: High school credit in Geometry required. A TI-84 Plus series calculator is required for this course</td>
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</tbody>
</table>
### Honors Algebra 2
This course extends students repertoire of functions. Students will focus on the 4 critical areas of Algebra 2: (1) Inferences and Conclusions from Data; (2) Polynomials, Rational and Radical Relationships; (3) Trigonometry of General Triangles and Trigonometric Functions; and (4) Modeling with Functions. Honors-level concepts include extending polynomial identities, more complex probability analysis, as well as completion of several contextual problems.

- **Course Number:** 314H  
- **Duration:** Full Year  
- **Credits:** 1  
- **Grade:** 9-12  
- **Fees:** $10  

**Additional:** High school credit in Geometry required. A TI-84 Plus series calculator is required for this course.

### Introduction to Post-Secondary Mathematics
Introduction to Post-Secondary Mathematics is for students who have completed Algebra 2 but may not be ready to pursue Pre-Calculus. The focus of the course is to provide a reinforcement of the math skills necessary to enter a college level math course. There are four pillars of the course: Extended Topics in Algebraic Functions & Trigonometry, Foundations of Pre-Calculus, Statistics, and Financial Literacy.

*This course is NOT approved by the NCAA clearing house as a new, fourth credit in Mathematics. Students that are planning to participate in collegiate athletics should check with their counselor.*

- **Course Number:** 311
- **Duration:** Full Year
- **Credits:** 1
- **Grade:** 11-12
- **Fees:** None

**Additional:** Completion of Algebra 2 required. A TI-84 Plus series calculator is required for this course.

### Statistics
This course is designed to follow either Intro to Post-Secondary Mathematics, Algebra 2, or Pre-Calculus. The course will emphasize decision-making based upon data analysis. Topics include probability, discrete and normal distributions, confidence intervals, hypothesis testing, and regression analysis.

- **Course Number:** 322
- **Duration:** Full Year
- **Credits:** 1
- **Grade:** 11-12
- **Fees:** None

**Additional:** Completion of Algebra 2 required. A TI-84 Plus series calculator is required for this course.

### Pre-Calculus
Pre-Calculus is for the student who has completed Algebra 1, Geometry, and Algebra 2. The course will primarily expand the student's proficiency in analysis, trigonometric concepts, algebraic concepts, problem solving, real and complex number systems and elementary calculus. It is intended to prepare the student for college mathematics courses above Algebra.

- **Course Number:** 324
- **Duration:** Full Year
- **Credits:** 1
- **Grade:** 10-12
- **Fees:** $10

**Additional:** Completion of Algebra 2 required. A TI-84 Plus series calculator is required for this course.

### Honors Pre-Calculus
Pre-Calculus is for the student who has completed Algebra 1, Geometry, and Algebra 2. The course will primarily expand the student's proficiency in analysis, trigonometric concepts, algebraic concepts, problem solving, real and complex number systems and elementary calculus. It is intended to prepare the student for college mathematics courses above Algebra. Honors-level concepts include proofs by mathematical induction, solving real-world problems involving parametric equations and projectile motion, applications of polar equations, and Cavalieri's Principle of volume, as well as completion of a quarterly contextual problem.

- **Course Number:** 328H
- **Duration:** Full Year
- **Credits:** 1
- **Grade:** 10-12
- **Fees:** $10

**Additional:** Completion of Algebra 2 required; recommended for students seeking extended learning. A TI-84 Plus series calculator is required for this course.
**Fundamentals of Calculus and Discrete Math**

Fundamentals of Calculus and Discrete Math is designed for those students planning to enter Calculus in college. Topics to be presented will include function theory, sequences, functions and limits, derivatives, algebraic functions, integration, logarithmic functions, set theory, real number theory, logic, determinants and matrices, statistics and probability. Algebraic and trigonometric skills and procedures will also be maintained.

The course will be taught from an intuitive, numeric point of view using the computer and graphing calculator to explore these topics. First semester focus will be calculus, and second semester will focus on discrete math.

Course Number: 335  
Duration: Full Year  
Credits: 1  
Grade: 11-12  
Fees: None.

A TI-84 Plus series calculator is required for this course.

Additional: Completion of Pre-Calculus required; calculators beyond TI-85 are not permitted.

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**AP Calculus AB**

This course is designed for the fifth-year mathematics student and consists of a full academic year of work in Calculus comparable to courses in colleges and universities.

AP Calculus emphasizes both algebraic and graphical solutions to problems. Topics included are functions, limits, derivatives, antiderivatives, integrals and their applications.

Course Number: 338AP  
Duration: Full Year  
Credits: 1  
Grade: 11-12  
Fees: None.

Additional: Completion of Pre-Calculus required. A TI-84 Plus series calculator is required for this course; students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers.

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**AP Calculus BC**

This version of the AP Calculus course is designed for the student who has completed AP Calculus AB. It reviews the major fundamentals of the AB course, and then focuses on material comparable to 2nd semester calculus courses in colleges and universities. AP Calculus BC emphasizes both algebraic and graphical solutions to problems.

Topics included are the same as those listed for the AP Calculus AB course, with additional material covering further integration techniques, parametric, polar and vector equations, series, sequences and other extensions of the AB curriculum. It is a significantly more rigorous and extensive set of topics compared to the AB course.

Course Number: 339AP  
Duration: Full Year  
Credits: 1  
Grade: 11-12  
Fees: None.

Additional: Completion of AP Calculus AB. A TI-84 Plus series calculator is required for this course; students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers.

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**AP Statistics**

This course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

Topics include: Exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

Course Number: 340AP  
Duration: Full Year  
Credits: 1  
Grade: 10-12  
Fees: None.

Additional: Completion of Algebra 2; course is an excellent option for students that have successfully completed Algebra 2 and possess mathematical maturity and ability. A TI-84 Plus series calculator is required for this course.

Students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers.
**CCP Introduction to Statistics**
This is a non-calculus, introductory course in descriptive and inferential statistics. Concepts are explained intuitively and supported by examples. The applications are general in nature, and the exercises include problems from agriculture, biology, business, economics, education, environmental studies, psychology, engineering, medicine, sociology, and computer science.

*Course Number: MATH130CCP  Duration: Semester  Credits: 1 high school, 3 college  Grade: 9-12  Fees: None*

*Additional: Application to college partner and college-ready score (Minimum 22 ACT Math, 100 on Accuplacer Algebra or 55 on Accuplacer College Level Math, or a 46 on College ALEKS Math) completed prior to dates required by the program.*

*See the district CCP webpage for more information.*

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**CCP College Algebra**
This course is a study of algebraic functions including polynomial, rational, radical, exponential, logarithmic and piece-wise defined functions.
Topics investigated will include domain, range, graphs, inverses, operations, equations, inequalities and their applications.

*Course Number: MATH140CCP  Duration: Semester  Credits: 1 high school, 3 college  Grade: 9-12  Fees: None*

*Additional: Application to college partner and college-ready score (Minimum 22 ACT Math, 100 on Accuplacer Algebra or 55 on Accuplacer College Level Math, or a 46 on College ALEKS Math) completed prior to dates required by the program.*

*See the district CCP webpage for more information.*

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**CCP Pre-Calculus**
This course is a study of algebraic functions, trigonometry, vectors, conic sections, sequences and series. The course will include the study of polynomial, rational, radical, exponential, logarithmic and piece-wise defined functions, and the trigonometric functions and their graphs.
Topics investigated will include domain, range, graphs, inverses, operations, equations, inequalities and their applications.

*Course Number: MATH150CCP  Duration: Semester  Credits: 1 high school, 5 college  Grade: 9-12  Fees: None*

*Additional: Application to college partner and college-ready score (Minimum 22 ACT Math, 100 on Accuplacer Algebra or 55 on Accuplacer College Level Math, or a 46 on College ALEKS Math) completed prior to dates required by the program.*

*See the district CCP webpage for more information.*
Science Course Offerings

Physical Sciences

**Integrated Science**
Integrated Science is an inquiry-based laboratory course that introduces students to key concepts and theories that provide a foundation for advanced study in the physical sciences such as chemistry, physics, earth and space science. The course comprises the study of the physical world including developing models about classifying matter and how it changes, the particle nature of matter and atomic structure, types of chemical bonding and reactions and the conservation of matter. Energy interactions and the study of forces and motion will be emphasized. Students will also develop an understanding of the periodic table for use in explaining the chemical and physical changes developed in the course. In addition, students will be introduced to scientific theories about the origin, development and structure of the universe and the types of nuclear reactions such as those that occur within stars. Integrated Science is a high school introductory level course that fulfills the Ohio Core requirements for one year of physical science necessary for graduation.

*Course Number: 205  Duration: Full Year  Credits: 1  Grade: 9-10  Fees: $7
Additional: Course is the prerequisite for all other science courses*

**Chemistry**
Chemistry is intended to be an inquiry course that will emphasize the organized collection, analysis, and communication of data, while introducing evaluation, prediction, and application of skills. The topics, from the Ohio Model Curriculum, covered in Chemistry will include: analysis of materials, nomenclature, bonding, stoichiometry, chemical equations, periodicity, atomic models, reduction and oxidation reactions, acids and bases, gas laws, intermolecular attractions, kinetics and equilibrium processes. Throughout the course, qualitative and quantitative laboratory skills will be developed through the manipulation of standard laboratory equipment.

*Course Number: 226  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: $16
Additional: Credit in Integrated Science required; enrollment or credit in Biology required; credit in Algebra I required
chemical splash goggles required - included in course fee*

**Honors Chemistry**
Honors Chemistry is an inquiry course designed to challenge the student who has an interest in science and is considering a career in the sciences. Honors Chemistry will emphasize the collection, analysis, and communication of data, while fostering the evaluation, prediction, and application of skills. Throughout the course, qualitative and quantitative laboratory skills will be explored with a special emphasis on technology. There will be an online homework and assessment component to promote self-directed learning. Students will be required to complete a research based inquiry laboratory Capstone Experience.

*Course Number: 223H  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: $16
Additional: Credit in Integrated Science required; enrollment or credit in Biology or equivalent STEM course required; completed or concurrently enrolled in Algebra 2; chemical splash goggles required - included in course fee*
### Honors Organic Chemistry
This course will introduce the characteristics of organic compounds and the most important organic functional groups. The chemistry of carbon compounds will be distinguished from inorganic chemistry. The various classes of aliphatic and aromatic compounds will be examined. The diversity of functional groups will be explored regarding reactivity and mechanism. Stereochemistry will emphasize the three-dimensional aspect that the carbon backbone confers upon macromolecules. A laboratory approach will be used to encourage students to develop inquiry skills, qualitative and quantitative laboratory skills, process skills and working knowledge of Organic Chemistry.

*Course Number: 217H  Duration: Year  Credits: 1  Grade: 10-12  Fees: $15*

*Additional: Credit in Chemistry; chemical splash goggles required but not included in course fee; recommended for students interested in pursuing a science major in college.*

### AP Chemistry
This course is the equivalent of the college freshman chemistry course following curriculum as prescribed by the College Board. This course is an excellent preparation for premedical, nursing, veterinarian, industrial hygienist, and engineering related careers. Students must be able to work independently. Further development of individual laboratory skills introduced in previous courses will be emphasized. Additional time for lab work may be required.

*Course Number: 228AP  Duration: Year  Credits: 1  Grade: 10-12  Fees: $38*

*Additional: Credit in Chemistry and Algebra 2; chemical splash goggles required but not included in course fee; students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers*

### Physics
The focus of this course will be to develop a better understanding of the physical laws that govern nature through conceptual and mathematical processes and an inquiry-based laboratory approach. Topics, from the Ohio Model Curriculum, include kinematics (position, velocity and acceleration of objects), as well as forces, energy and its conservation, electricity, and magnetism. Laboratory skills will be designed to encourage problem solving and independent thought, and a variety of tools and technology will be used for collecting and analyzing data. This course is designed to prepare students for a college major that requires science.

*Course Number: 247  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: $10*

*Additional: Completion of Integrated Science and concurrent enrollment in Algebra 2 or higher math*
AP Physics 1
AP Physics 1 is an algebra-based, introductory college-level physics course that may be taken with no prior physics coursework. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics including rotational motion and torque, momentum and impulse, work, energy and its conservation. In addition to Newtonian mechanics topics of mechanical waves and sound, electrostatics, and direct current (DC) circuits with resistors will be developed. Instruction will focus on the big ideas typically included in the first semester of an algebra-based, introductory college-level physics sequence and provide students with enduring understandings to support future advanced course work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills, as defined by the AP Science Practices. At least twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations and design projects. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.

Course Number: 256AP  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: $30
Additional: Concurrent enrollment in Algebra 2 or higher required;
           students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers

AP Physics 2
AP Physics 2 is an algebra-based, college-level physics course that is equivalent to a second semester introductory college course. Students develop their understanding of physics through inquiry-based lab investigations as they explore these topics: Fluid and fluid dynamics; thermodynamics and thermal energy flow; electric forces, fields and electric potential; electric circuits; magnetism and electromagnetic induction; geometrical and physical optics including lenses and mirrors; and quantum, atomic and nuclear physics. Students will apply their understanding in these topics via the Science Practices outlines by the College Board, including at least twenty-five percent of the instructional time being devoted to hands-on laboratory work with an emphasis on inquiry-based investigations and design projects. These practices are designed to have students develop a qualitative and quantitative understanding of the physics content topics as related to cross-cutting principles known as Big Ideas. Students will do this by designing experiments, making predictions and analyzing data, developing and explaining their reasoning, and applying mathematical models to their data.

Course Number: 257AP  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: $30
Additional: Concurrent enrollment in Pre-calculus or higher and completion of AP Physics 1 required;
           students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers

AP Physics C
This course is the equivalent of college calculus-based physics courses in both Mechanics and Electricity & Magnetism following the prescribed curriculum as published by the College Board. Engineering and pure science majors may use this course to deepen their understanding of college physics principles and procedures. AP Physics will emphasize higher order thinking and problem-solving skills in the laboratory and theoretical settings. Students will need to be highly motivated and self-directed in both individual and team-based work. Advanced Placement courses are demanding and require daily work outside of class. Topics in the Mechanics part of the course include advanced study of kinematics; Newton’s laws of motion and forces; work, energy and power; systems of particles and linear momentum; circular motion and rotation along with moment of inertia; and oscillations and gravitation. The Electricity & Magnetism part of the course will highlight an advanced study of electrostatics and electric fields; conductors, capacitors and dielectrics; electric circuits (both DC and AC); magnetic fields and forces; and electromagnetism including RLC circuits and Lenz’s Law.

Course Number: 250AP  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: $30
Additional: Pre-calculus and Physics credits required;
           students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers
## Biology
This course will emphasize biology concepts, from the Ohio Model Curriculum in Biology, including cell structure and function, cellular processes, ecosystems, evolution and interdependence of life, heredity and cellular genetics. A laboratory approach will be used to encourage students to develop inquiry skills, process skills and a working knowledge of biology. Knowledge and skills gained will be applied by students in individual and cooperative projects related to course themes.

Course Number: 203  Duration: Full Year  Credits: 1  Grade: 9-10  Fees: $14
Additional: Credit in Integrated Science required; End-of-Course state test required; fulfills Biology credit for graduation

## Honors Principles of Biomedical Sciences (Class counts as Honors Biology credit)
In the introductory course of the Project Lead The Way (PLTW) Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, basic biology, medicine and research processes while allowing them to design their own experiments to solve problems.

Course Number: 284H  Duration: Full Year  Credits: 1  Grade: 9-10  Fees: $36
Additional: Credit in Integrated Science required; this is the first course in the PLTW Biomedical Pathway; end-of-course PLTW, state Biology, and CTE exams required. This course fulfills the student’s Biology requirement for graduation.

## Honors Biology
Honors Biology is intended for highly motivated students who have demonstrated an interest in science. In Honors Biology, students are expected to work independently and collaboratively on a variety of assignments and accept greater responsibility for their learning. Honors Biology is designed to give students a more challenging and in-depth experience of the Ohio Model Curriculum in Biology. This will include additional time requirements outside of the regular school day for the students to complete extended Biology projects. Additionally, students will be required to design and conduct scientific investigations to explore Biology phenomena. A laboratory approach will be used to encourage students to develop inquiry skills, process skills and working knowledge of Biology.

Course Number: 203H  Duration: Full Year  Credits: 1  Grade: 9-10  Fees: $14
Additional: Credit in Integrated Science required; End-of-Course state test required; fulfills Biology credit for graduation

## AP Biology
This course is the equivalent of the college freshman biology course following the prescribed curriculum as published by the College Board. This course is an excellent preparation for premedical, nursing, veterinarian, industrial hygienist, and other health related careers. The student must be able to work independently. Individual and creative laboratory work is an integral part of the course of study. The following topics will be studied during the course: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. Additional time for lab work may be required.

Course Number: 212AP  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: $39
Additional: Credit in Integrated Science required; course fulfills Biology credit required for graduation; if used for Biology credit for graduation, student will take a state-approved exam at the end of the course; students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers
### Honors Human Body Systems
Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. 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 professionals to solve real-world medical cases.

*Course Number: 287H  Duration: Full Year  Credits: 1  Grade: 10-11  Fees: $38*

*Additional: This is the second course in the PLTW Biomedical Pathway; credit in Principles of the Biomedical Sciences required; end-of-course PLTW and CTE exams required*

### Honors Anatomy and Physiology
Honors Anatomy and Physiology is intended for highly motivated students who demonstrate an interest in or are pursuing professions in medical fields. Students are expected to work independently and collaboratively on a variety of assignments and accept greater responsibility for their learning. This will include additional time requirements outside of the regular school day for students to complete the following: design and conduct independent and collaborative scientific investigations to answer questions; perform inquiry activities that extend over time; relate investigation(s) to recent research and communicate findings in a formal written laboratory report and presentation. Students will investigate human body systems, organs, tissues and cells, focusing on the integument, skeletal, muscular, and nervous systems along with laboratory approach for the physiology and application of life processes. Students will investigate the endocrine, lymphatic, cardiovascular, digestive, respiratory, immune and reproductive systems. Students will examine similarities of the human body systems through a mammal dissection.

*Course Number: 208H  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: $70*

*Additional: Credit in Biology required; recommended for students seeking extended learning in the medical field*

### Medical Interventions
Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

*Course Number: 254  Duration: Full Year  Credits: 1  Grade: 11-12  Fees: $33*

*Additional: This is the third course in the PLTW Biomedical Pathway; weighted through an articulation agreement with Sinclair Community College; credit in Human Body Systems required; end-of-course PLTW and CTE exams required*

### Biomedical Innovations
In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution. This course is offered at Ohio Health’s Pickerington Campus. The district does not provide transportation.

*Course Number: 255  Duration: Full Year  Credits: 1  Grade: 12  Fees: None*

*Additional: This is the fourth course in the PLTW Biomedical Pathway; weighted through an articulation agreement with Sinclair Community College; credit in Medical Interventions required; end-of-course CTE and PLTW exams required*
Earth Sciences

**AP Environmental Science**
This course is the equivalent of the college freshman environmental science course following the prescribed curriculum as published by the College Board. Students will explore and investigate the interrelationships of the natural world, identify and analyze environmental problems, both natural and human-made, evaluate the relative risks associated with these environmental problems, and examine alternative solutions for resolving and/or preventing them.

*Course Number: 252AP  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: $35*
*Additional: Credit in Biology and Algebra I required; students eligible for free or reduced lunch should check with their counselor about AP exam fee waivers*

**Earth and Space Science**
Combining the science of the world beneath our feet and the skies above our heads, this course will focus on understanding the phenomena that occur daily in our oceans and how they relate to changes in our atmosphere. Special emphasis will be placed on plate tectonics, ocean currents, ocean exploration, and the effects the ocean has on climate included with analysis of weather data and climactic changes, as well as atmospheric phenomena. Computer literacy will be developed by implementing Internet weather data banks.

Astronomy is a focus on the study of our cosmos. Through a combination of laboratory activities, short and long-term projects, and other daily class work, the student will review and further expand on the scientific principles of our solar system, galaxy, and universe. Special emphasis will be placed on the history of astronomy, structures in space, and theories behind our world’s beginning and interrelationships with the rest of space.

*Course Number: TBD  Duration: Year  Credits: 1  Grade: 9-12  Fees: $10*
*Additional: Credit in Integrated Science required*

**Other Advanced Sciences**

**Forensic Science 1**
This course will examine a variety of topics related to the field of forensic science including: observation skills, fiber and textile analysis, hair analysis, fingerprinting, blood and blood splatter analysis, forensic anthropology, crime scene investigation, and evidence collection. This course will emphasize inquiry and problem solving in the laboratory.

*Course Number: 219  Duration: Semester  Credits: .5  Grade: 10-12  Fees: $15*
*Additional: Credit in Biology required; chemical splash goggles required but not included in course fee*

**Forensic Science 2**
This course will build on and expand topics explored in Forensic Science 1. Topics may include DNA Fingerprinting, Drug Identification and Toxicology, Glass Evidence, Casts and Impressions, Tool Marks, Ballistics, and Forensic Entomology. This course will emphasize inquiry and problem solving in the field and laboratory.

*Course Number: 221  Duration: Semester  Credits: .5  Grade: 10-12  Fees: $15*
*Additional: Credit in Forensic Science I required*
Forensic Science 3
This course will build on and expand topics explored in Forensic Science 1 & 2. Topics may include: Interrogation and Forensic Reporting, Arson, Fire & Explosion Investigation, Physical Trauma (wounds, injuries) and Autopsy, Accident Reconstruction, Digital Evidence (mobile devices, computers, cybercrimes), Criminal Profiling, Forensic Botany, Questioned Documents, Detector Dogs (drugs, missing persons, find and rescue), Biometrics, Crime Scene Photography. This course will emphasize inquiry and problem solving in the field and laboratory. Students will be required to complete a capstone project.

Course Number: 222   Duration: Semester   Credits: .5   Grade: 10-12   Fees: $15
Additional: Credit in Forensic Science 1 and 2 required
World Language Course Offerings

**American Sign Language 1**
During this course the students will study the vocabulary, grammar, and structure of ASL in order to learn expressive (signing) and receptive (comprehension) skills. Deaf culture and the literature of ASL will also be studied. The course is mainly conducted in ASL. Students will be evaluated using tests, quizzes, written reports, homework assignments, daily participation, and assessment of student video. ASL is memorizing and studying the vocabulary and grammar of the language.

- **Course Number:** 630
- **Duration:** Full Year
- **Credits:** 1
- **Grade:** 10-11
- **Fees:** None
- **Additional:** None

**American Sign Language 2**
This class is designed to develop more fully the student's ability to comprehend and express ASL. The majority of the class is conducted in ASL, including instructions, information, and activities. Each student will have the opportunity to create original dialogues, practice communicating about various daily situations, and learn to talk about his/her own interests and experiences in ASL.

Cultural awareness and sensitivity will be emphasized by interaction with the deaf community. Students will also continue to view video of native ASL speakers. This fast-paced course requires daily work participating in class, memorizing vocabulary, studying the language structure, and preparing for tests, assignments, reports, and student video.

- **Course Number:** 632
- **Duration:** Full Year
- **Credits:** 1
- **Grade:** 11-12
- **Fees:** None
- **Additional:** Required proficiency of Novice-Mid in American Sign Language I.

**American Sign Language 3**
By the time you reach this level of sign language you should be fluent. This class is conducted in ASL, including activities, information, questions and answers. You will practice various conversations with classmates in ASL as well as make up your own to sign to the class. Body language and facial features are extremely important to get your point across in ASL. Students will continue the video activities and interpreting from the previous levels but more challenging. We will explore various career opportunities available using ASL and have guest speakers talk about how it is important to know/use ASL at their job. You are expected to remember vocabulary from the last two years and will add onto it.

- **Course Number:** 634
- **Duration:** Full Year
- **Credits:** 1
- **Grade:** 12
- **Fees:** None
- **Additional:** Required proficiency of Novice-High in American Sign Language II.

**French 1**
The study for French begins with strategies for learning a second language. Subsequent units introduce basic communication, grammar, and writing skills and vocabulary. Students will be introduced to French speaking communities and practices around the globe through real life, everyday activities that deal with food, school, family, and sports and leisure activities.

Proficiency in listening, speaking, reading, and writing is developed through interaction with a variety of media such as videos, music, games, and the Internet.

- **Course Number:** 640
- **Duration:** Full Year
- **Credits:** 1
- **Grade:** 9-12
- **Fees:** None
- **Additional:** None
French 2
Cultural themes in Level 2 focus on additional French-speaking communities. More complex grammatical concepts and vocabulary build on the basic skills acquired in Level 1. The method of instruction again stresses interaction with a variety of themes, including shopping, vacation, travel, architecture, and more. Students will also examine issues in today’s French speaking communities.

Course Number: 642  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: None
Additional: Required proficiency of Novice-Mid in French I

French 3
French 3 continues the study of the French language. The francophone communities of Europe, Africa and North America are presented in greater detail.
A multimedia approach is used to enhance the acquisition of active language skills. This year includes a review of previously studied concepts while incorporating new grammatical structures, vocabulary, and cultural themes such as cooking, travel, art, media, and more.

Course Number: 644  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: None
Additional: Required proficiency of Novice-High in French II

Honors French 4
French 4 is designed to continue the development of all language skills to increase proficiency on college placement tests in French. As students read a novel and short stories, comprehension and fluency is increased through class discussion. Writing skills are fine-tuned through short compositions. Students will work to the attainment of mid-level intermediate proficiency of the Lingua-Folio assessment.
Students will understand the main idea and many details of written and oral communication, will state a point of view and converse effectively, will describe events and experiences, give opinions, narrate a story, and present a simple oral or written communication with details. An appreciation of French customs and history is also developed with videos and individual projects. Students will be exposed to advanced placement tasks, strategies, and concepts.

Course Number: 646H  Duration: Full Year  Credits: 1  Grade: 11-12  Fees: $15
Additional: Required proficiency of Intermediate-Low in French III

Advanced Placement French
The three modes of communication (Interpersonal, Interpretive, and Presentational) defined in the Standards for Foreign Language Learning in the 21st Century are foundational to the AP French Language and Culture course. The AP course provides students with opportunities to demonstrate their proficiency in each of the three modes in the Intermediate to Pre-Advanced range as described in the ACTFL Performance Guidelines for K-12 Learners.
The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of products, both tangible (e.g., tools, books, music) and intangible (e.g., laws, conventions).

Course Number: 648AP  Duration: Full Year  Credits: 1  Grade: 11-12  Fees: None
Additional: Required proficiency of Intermediate-Mid in Honors French IV;
students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers
German 1
This course is a study of the language and culture of German-speaking people. Emphasis is placed on the development of listening and speaking skills. Vocabulary and grammar are taught through conversational situations, language games and videos.

Course Number: 650  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: None
Additional: Available at Pickerington Central only

German 2
German 2 continues to build on the content from German 1 as vocabulary continues to increase. New grammar concepts are introduced resulting in improved speaking, listening, reading, and writing skills.

Course Number: 652  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: None
Additional: Required proficiency of Novice-Mid in German 1

German 3
German 3 rounds out the development of a basic proficiency in the four language skills: listening, speaking, reading, and writing. It also reviews and expands all of the basic grammatical structures. German history will be taught and discussed through texts and movies. Awareness is expanded and a greater emphasis is placed on vocabulary development and reading and writing skills through various types of German media.

Course Number: 654  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: None
Additional: Required proficiency of Novice-High in German 2

Honors German 4
German 4 continues to strengthen learned vocabulary and grammatical structures and emphasizes preparation for the AP German course through a variety of authentic texts. Students will work to achieve the mid-level intermediate proficiency of the Lingua-Folio assessment.

Course Number: 656H  Duration: Full Year  Credits: 1  Grade: 11-12  Fees: None
Additional: Required proficiency of Intermediate-Low in German 3

Advanced Placement German
The three modes of communication (Interpersonal, Interpretive, and Presentational) defined in the Standards for Foreign Language Learning in the 21st Century are foundational to the AP German Language and Culture course. The AP course provides students with opportunities to demonstrate their proficiency in each of the three modes in the Intermediate to Pre-Advanced range as described in the ACTFL Performance Guidelines for K-12 Learners. The AP German Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of products, both tangible (e.g., tools, books, music) and intangible (e.g., laws, conventions, The AP German Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of products, both tangible and intangible, practices, and perspectives. Fees: AP test fee and AP support materials.

Course Number: 658AP  Duration: Full Year  Credits: 1  Grade: 11-12  Fees: None
Additional: Available at Pickerington Central only; required proficiency of Intermediate-Mid in German 4; students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers
**Spanish 1**
This course is a study of the language and culture of Spanish-speaking people. Students will be introduced to Spanish speaking countries and practices through instruction based on topics such as family, school, leisure activities, and food. Communication skills are emphasized, along with a strong foundation in vocabulary and basic grammar structures. Proficiency in the language is developed through interaction with authentic materials such as videos, text, and music.

**Course Number:** 670  **Duration:** Full Year  **Credits:** 1  **Grade:** 9-12  **Fees:** None  **Additional:** None

**Spanish 2**
Spanish 2 is a continuation of Spanish 1. Basic grammar and vocabulary are expanded to cover more complex concepts and students learn new verb tenses. Culture studies add to the students’ understanding of the Hispanic people. Listening, speaking, reading, and writing are stressed to improve the understanding of both the language and the people who speak it.

**Course Number:** 672  **Duration:** Full Year  **Credits:** 1  **Grade:** 9-12  **Fees:** None  **Additional:** Required proficiency of Novice-Mid in Spanish 1

**Spanish 3**
Spanish 3 presents a period of review and expansion of grammatical structures. The major emphasis of this course is on communicative competency. Listening and oral skills are stressed. Writing skills are developed through paragraph construction. Culture studies add to the students understanding of the Hispanic people.

**Course Number:** 674  **Duration:** Full Year  **Credits:** 1  **Grade:** 9-12  **Fees:** None  **Additional:** Required proficiency of Novice-High in Spanish 2

**Honors Spanish 4**
Spanish 4 is designed to continue the development of all language skills to increase proficiency on college placement tests in Spanish. Student reading and listening comprehension and fluency is increased through authentic written, audio, and text materials. Writing skills are fine-tuned through short compositions on a variety of topics. Students will work to the attainment of mid-level intermediate proficiency. Students will understand the main idea and many details of written and oral communication, will state a point of view and converse effectively, will describe events and experiences, give opinions, narrate a story, and present a simple oral or written communication with details. An appreciation of Spanish customs and history is also developed with videos and individual projects.

**Course Number:** 676H  **Duration:** Full Year  **Credits:** 1  **Grade:** 10-12  **Fees:** None  **Additional:** Required proficiency of Intermediate-Low in Spanish 3

**Advanced Placement Spanish**
The three modes of communication (Interpersonal, Interpretive, and Presentational) defined in the Standards for Foreign Language Learning in the 21st Century are foundational to the AP Spanish Language and Culture course. The AP course provides students with opportunities to demonstrate their proficiency in each of the three modes in the Intermediate to Pre-Advanced range as described in the ACTFL Performance Guidelines for K-12 Learners. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of products, both tangible (e.g., tools, books, music) and intangible (e.g., laws, conventions).

**Course Number:** 678AP  **Duration:** Full Year  **Credits:** 1  **Grade:** 11-12  **Fees:** $50  **Additional:** Required proficiency of Intermediate-Mid in Honors Spanish 4; students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers
**Global Scholars Program (Year One)**

This course provides hands-on experiences, simulations, and practical examples and strategies for global studies and cultural competence. Students will gain a deeper understanding of and define intercultural competence, explore the "other" and the value of varied perspectives throughout their school communities, gain insights into cultural nuances and effective interaction with local-global cultures, and develop a skills tool-kit to leverage the global landscape of their classrooms and school communities to enrich all students’ experiences.

In Year 1, student will attend four off-campus events at universities and businesses and select four enrichment experiences under the following themes: Investigate the World, Recognize Perspectives, Communicate Ideas, and Take Action. Students can modify assignments that they are already creating in their PLSD courses for credit. Successful completion of Year 1 activities is required for participation in Year 2.

*Course Number: 681  Duration: Full Year  Credits: .5  Grade: 9-12  Fees: None  Additional: Must be concurrently enrolled in a World Language course in PLSD*


Students who are accepted into the program will be enrolled into this course automatically.

**Global Scholars Program (Year Two)**

Students who have successfully completed Year 1 will be automatically enrolled for Year 2.

This course provides hands-on experiences, simulations, and practical examples and strategies for global studies and cultural competence. Students will gain a deeper understanding of and define intercultural competence, explore the "other" and the value of varied perspectives throughout their school communities, gain insights into cultural nuances and effective interaction with local-global cultures, and develop a skills tool-kit to leverage the global landscape of their classrooms and school communities to enrich all students’ experiences.

In Year 2, students will attend off-campus events at universities and businesses and complete a globally-focused E-course on the following topics: Investigate the World, Recognize Perspectives, Communicate Ideas, and Take Action. Successful completion of Year 1 activities is required for participation in Year 2.

*Course Number: 682  Duration: Full Year  Credits: .5  Grade: 10-12  Fees: None  Additional: Must be concurrently enrolled in a World Language course in PLSD or have completed at least three years of study in a specific language*

Students who are accepted into the program will be enrolled into this course automatically.
Social Studies Course Offerings

**World History**
The World History courses will begin with a review of the Renaissance, the Reformation, European exploration and colonization, the Age of Reason, and the Enlightenment.
The course then will focus on the world from 1877 to the modern era. Students will study the variety of emerging global powers and the issues created as the world moved through the 20th century.

*Course Number: 501  Duration: Full Year  Credits: 1  Grade: 9  Fees: None*
*Additional: Credit for this course (or Honors World History or AP European History) is required for graduation and must be taken in the 9th grade year*

**AP European History (Course meets World History credit for graduation if the student chooses it in 9th grade)**
AP European History is designed to be the equivalent of an introductory college European history course. In AP European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity.

*Course Number: 536AP  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: None*
*Additional: students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers.  This course may be taken in grades 10-12 for elective credit*

**AP Human Geography (Course meets World History credit for graduation if the student chooses it in 9th grade)**
AP Human Geography presents high school students with the curricular equivalent of an introductory college-level course in human geography or cultural geography. Content is presented thematically rather than regionally and is organized around the discipline’s main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction. Advanced placement courses are demanding and require daily homework.

*Course Number: TBD  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: None*
*Additional: students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers  This course may be taken in grades 10-12 for elective credit*
Honors World History
The World History courses will begin with a review of the renaissance, reformation, exploration, age of reason and enlightenment and then focus on the world from 1877 to the modern era. Students will study the variety of emerging global powers and the issues created as the world moved through the 20th century. Students in honors courses will synthesize and evaluate information and concepts from multiple sources to create their own understanding of the impact of human decision-making upon history. These “Topic Analysis” assignments will coincide with major historical events within the course.
In order to support the matriculation to AP courses, students will be exposed to the same texts used in advanced placement and college-level courses. Students will be introduced to the essential academic skills necessary for success in an AP courses. Honors-level courses will challenge students to become autonomous learners: students who possess the knowledge, skills and habits of mind necessary for making informed judgments about the past. Finally, students in honors classes will be asked to complete activities that will extend their learning beyond the classroom walls (e.g. thesis defense, capstone projects, etc.).

Course Number: 508H  Duration: Full Year  Credits: 1  Grade: 9  Fees: None
Additional: Course fulfills World History graduation requirement

American History
This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today’s citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Students will also be required to use skills related to using a variety of resources to construct theses and support or refute contentions made by explanations of historical events; examine issues related to historical inevitability; and examine key documents that form the basis for the United States of America.

Course Number: 511  Duration: Full Year  Credits: 1  Grade: 10  Fees: None
Additional: Credit for this course (or AP US History or CCP US History) is required for graduation and must be taken in the 10th grade year; state end-of-course exam required

AP United States History
AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. Advanced placement courses are demanding and require daily homework.

Course Number: 520AP  Duration: Full Year  Credits: 1  Grade: 10  Fees: None; students encouraged to buy Amsco review book; students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers
Additional: Course fulfills American History graduation requirement; students may use AP exam score in lieu of state-mandated AIR assessment. Students should be able to read a college-level textbook and write grammatically correct, complete sentences.
CCP American History Since 1877 (Only available at North)
This course covers a wide range of topics in modern American history from Reconstruction to the present time. It is an introduction to the study of history and to the political, economic, intellectual, and social themes that have shaped our present society.

Course Number: HIST151CCP  Duration: Semester  Credits: 1 high school, 3 college  Grade: 9-12  Fees: None
Additional: Application to college partner and college-ready score (Minimum 18 ACT English or 5 on WritePlacer) completed prior to dates required by the program. See the district CCP webpage for more information.
Completion of course satisfies US History requirement for graduation; the student’s grade in the course replaces the state end-of-course (AIR) exam requirement.

AP United States Government and Politics
AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course objectives are more complex than those of the other POD courses offered at the high school because of the college level nature of the course. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events and interpret data to develop evidence-based arguments. Advanced placement courses are demanding and require daily homework.

Course Number: 528AP  Duration: Full Year  Credits: 1  Grade: 11  Fees: None
Additional: Satisfies P.O.D. requirement for graduation; students may use AP exam score in lieu of AIR exam; Students should be able to read a college level textbook and write grammatically correct, complete sentences; students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers.

CCP Introduction to American Government
This course introduces students to the nature, purpose and structure of the American political system. Attention is given to the institutions and processes that create public policy. The strengths and weaknesses of the American political system are discussed, along with the role of citizens in a democracy.

At North, this course will be delivered as a “blended” course – students will meet in the classroom twice weekly, with the remainder of the coursework done online. It demands that the student be a motivated, self-directed learner as substantial portions of the material will be based on reading and writing independently.

Course Number (North): POLS1100CCP  Duration: Semester  Credits: 1 high school, 3 college  Grade: 9-12  Fees: None
Course Number (Central): GOV100CCP  Duration: Semester  Credits: 1 high school, 3 college  Grade: 9-12  Fees: None
Additional: Application to college partner and college-ready score (Minimum 18 ACT English or 5 on WritePlacer) completed prior to dates required by the program. See the district CCP webpage for more information;
the student’s grade in the course replaces the state end-of-course (AIR) exam requirement.

Principles of Democracy (P.O.D.)
This course examines the principles and practices of government in the United States. The purpose of the course is to acquaint students with the basic American governmental structure and the skills needed for today’s citizen to participate in the governmental process.

Course Number: 523  Duration: Full Year  Credits: 1  Grade: 11  Fees: None
Additional: Credit in POD, AP US Government, or Intro to American Government CCP is required for graduation; POD requires state end-of-course exam.
AP Micro/Macro Economics
The AP Economics course and exams will be divided into two parts. The course will address microeconomics in the first semester and macroeconomics in the second semester. The course is designed to provide students with analytic skills and factual knowledge necessary to deal critically with economic concepts such as, the nature and function of markets, factor markets, efficiency, the role of government in economic systems, output and income, spending and taxation, money and banking, and international trade. The course objectives are more demanding because of the college level nature of the course. AP courses are demanding and require daily homework and reading. There will be a semester exam but no final due to the AP exams. Advanced placement courses are demanding and require daily homework.

Course Number: 535AP Duration: Full Year Credits: 1 Grade: 11-12 Fees: None
Additional: Fulfills Economics requirement for graduation; students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers

Economics
Economics examines the economic system of the United States. This course will acquaint students with economic theory and how it applies to the public and private sectors. Topics covered will include the evolution of our economic system, price determination, money and credit, government finance and taxation, unemployment, international trade, as well as other aspects of economics.

Course Number: 530 Duration: Semester Credits: .5 Grade: 11-12 Fees: None
Additional: .5 credit in Economics is required for graduation; students may take AP Economics to fulfill this credit

Modern American Wars
This course will study current events in the United States and around the world with a strong review and emphasis of America's wars in the 20th and 21st centuries. Students will analyze the cause and effects of these wars, and how they shaped both domestic and foreign policy into our current time.

Course Number: TBD Duration: Year Credits: 1 Grade: 9-12 Fees: None
Additional: Credit in World and American History recommended; course offered for elective credit

CCP Cultural Diversity
This course focuses on the differences and similarities among racial, ethnic, religious and other diverse populations in the United States and includes historical, religious and sociocultural issues and current conflicts. The current and past experiences of selected American racial, ethnic, gender, and religious groups are examined with respect to theories and patterns of intergroup relations and issues of prejudice and discrimination (both individual and institutional). Potential future trends in American intergroup relationships are addressed.

Course Number: SOC110CCP Duration: Semester Credits: 1 high school; 3 college Grade: 9-12 Fees: None
Additional: Application to college partner and college-ready score (Minimum 18 ACT English or 5 on WritePlacer) completed prior to dates required by the program. See the district CCP webpage for more information

African-American History Before 1877 CCP (Only available at Central)
The class is primarily a lecture/discussion course which includes the history of African Americans in the New World from the time of the slave trade to the end of Reconstruction. This course is an elective History course and does not fulfill the student’s graduation credit for American History.

Course Number: HIST2223CCP Duration: Semester Credits: 1 high school, 3 college Grade: 9-12 Fees: None
Additional: Application to college partner and college-ready score (Minimum 18 ACT English or 5 on WritePlacer) completed prior to dates required by the program. See the district CCP webpage for more information
African-American History Since 1877 CCP (Only available at Central)
The class is primarily a lecture/discussion course which includes the history of African Americans from the end of Reconstruction to present times.

This course is an elective History course and does not fulfill the student’s graduation credit for American History.

Course Number: HIST2224CCP  Duration: Semester  Credits: 1 high school, 3 college  Grade: 9-12  Fees: None
Additional: Application to college partner and college-ready score (Minimum 18 ACT English or 5 on WritePlacer) completed prior to dates required by the program.  See the district CCP webpage for more information

History of American Sport
This course presents an overview of the development of amateur and professional athletics over the course of history in the United States. Using the development of sport and games as a lens, the social, cultural, and business history of the United States will be considered with a focus on the racial, ethical, legal, and monetary components of sports. Students need not be athletes to appreciate this elective course.

Course Number: 541  Duration: Semester  Credits: .5  Grade: 9-12  Fees: None
Additional: Course offered for elective credit

AP Psychology
AP Psychology is a college level introductory psychology course in which students learn the theoretical and historical underpinnings of the field of psychology, distinguish among the domains of psychology (biological, cognitive, contemporary approaches) analyze contributions of major historical figures, gain exposure to the empirical research process upon which the field is based and the application of research and theory to explain human behavior, and discuss and challenge contemporary approaches to biological, cognitive, learning, developmental, motivation, personality, abnormal behavior, and social psychology. Advanced placement courses are demanding and require daily homework.

Course Number: 542AP  Duration: Full Year  Credits: 1  Grade: 11-12  Fees: None
Additional: Course is offered for elective Social Studies credit; Students should be able to read a college-level textbook and write grammatically correct, complete sentences; students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers

Psychology
Psychology is the study of human behavior. The course examines biological and environmental influences on the individual. Students will explore what people do, how they think, and why they act as they do. Topics to be covered include: history of psychology, methods of psychology, personality theories, theories of learning, sensations and perceptions, conflicts and adjustment, stress and frustration, psychological disorders and treatment.

Course Number: 542  Duration: Semester  Credits: .5  Grade: 11-12  Fees: None
Additional: Course offered for elective Social Studies credit

Sociology
Man is not an island. We do not live isolated from every other person in our society. We are part of a large society that has many different lifestyles, roles, and groups. This class illustrates the importance of social interaction upon the behavior of mankind. Basic institutions of society are discussed such as family, religion, and economy. Problems of our diverse society are discussed such as divorce, crime, discrimination and poverty. The class will revolve around much class discussion and participation in activities such as skits, role-playing, debates and planning a social movement. Psychology studies the individual, Sociology studies the group.

Course Number: 540  Duration: Semester  Credits: .5  Grade: 11-12  Fees: None
Additional: Course offered for elective Social Studies credit
Business & Marketing Course Offerings

Finance Foundations
This course introduces students to the specializations offered in the finance career field. Students will obtain fundamental knowledge and skills in accounting, banking services, corporate finance, insurance, and securities and investments. They will acquire knowledge of financial analysis and application, business law and ethics, economics, international business and business relationships.
Knowledge management and information technology will be emphasized. Employability skills, leadership and communication will be incorporated in classroom activities. Personal financial management is taught and includes balancing a checkbook, living debt-free, and planning for the future (investments, insurance, taxes and credit).

Course Number: 717  Duration: Semester  Credits: .5  Grade: 9-12  Fees: None
Additional: Career and technical end-of-course exam required

Business Foundations
This hands-on course is designed as an introduction to business. The purpose is to give students a broad overview of the different disciplines within business that will impact their personal and professional lives. Students will gain a better understanding of the American business world and it’s place in our social, economic and global environment.
Business career exploration, types of business, marketing in today’s world, buying goods and services and various types of money management will be discussed. Practical business applications and projects will be a part of this class. Students can expect projects, presentations and guest speakers in various subjects related to business.

Course Number: 709  Duration: Semester  Credits: .5  Grade: 9-12  Fees: None
Additional: Career and technical end-of-course exam required

Marketing Principles
Students will obtain fundamental knowledge and skills in marketing communications (including social media), marketing management, marketing research, visual merchandising and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business.
Technology, leadership and communications will be incorporated in classroom activities. Students can expect project-based learning in groups, presentations, guest speakers, and opportunities to participate in a student organization, DECA, and participate in networking and leadership experiences.

Course Number: 949  Duration: Semester  Credits: .5  Grade: 10-12  Fees: None
Additional: Completion of either Business Foundations or Finance Foundations and career and technical end-of-course exam required

Marketing Research
Students will conduct qualitative and quantitative marketing research using primary and secondary data. They will gather, synthesize, evaluate, and disseminate marketing information for use in business decision-making or to address a specific marketing problem or issue.
Students will apply project management techniques to guide and control marketing research activities. They will use statistical techniques to evaluate marketing data. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Course Number: 947  Duration: Semester  Credits: .5  Grade: 11-12  Fees: None
Additional: Offered at PHSC only; completion of either Business Foundations or Finance Foundations and career and technical end-of-course exam required
**Marketing Applications**
Students will develop and implement marketing strategies and techniques across marketing functions: channel management, marketing research, market planning, pricing, product/service management and branding. They will use marketing operations procedures and activities to ensure marketing’s efficiency and effectiveness. Students will generate, screen, and develop new product ideas. They will predict economic trends and conditions and determine how cultural intelligence can impact organizations. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

*Course Number: 946  Duration: Year  Credits: 1  Grade: 11-12  Fees: None*
*Additional: Offered at PHSC only; completion of either Business Foundations or Finance Foundations and career and technical end-of-course exam required*

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**Professional & Technical Sales**
In this course, students will demonstrate sales processes and techniques used in a business-to-business environment. They will develop, grow, and maintain positive business relationships. Students will monitor trends and the business environment to determine the impact on their sales, customers, and competitors, they will negotiate and adjust prices and sales terms. Students will manage sales activities and territories. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

*Course Number: 948  Duration: Year  Credits: 1  Grade: 11-12  Fees: None*
*Additional: Offered at PHSC only; completion of either Business Foundations or Finance Foundations and career and technical end-of-course exam required*

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**Strategic Entrepreneurship**
Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target customers, define the venture’s mission, and create business plans. Students will take initial steps to establish a business. Students will calculate and forecast costs, break-even, and sales. Establishing brand, setting prices, promoting products and managing customer relationships will be emphasized.

*Course Number: 726  Duration: Year  Credits: 1  Grade: 9-12  Fees: None*
*Additional: offered at PHSN only; recommended credit or be concurrently enrolled in Business or Finance Foundations*

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**Digital Marketing and Management**
Students will apply tools, strategies and processes to communicate digitally with targeted customers. They will create, implement, and critique online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video or images and podcasts/webcasts. Students will apply project management techniques to guide and control digital communications efforts. They will also create and repurpose content for use in digital environments. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

*Course Number: 950  Duration: Year  Credits: 1  Grade: 10-12  Fees: None*
*Additional: offered at PHSN only; credit or concurrent enrollment in another business course*
Operations Management
Students will learn to plan, organize, and monitor day-to-day business activities. They will use technology to plan production activities, forecast inventory needs, and negotiate vendor contracts. Students will also calculate break-even, set cost-volume-profit goals, and develop policies and procedures to promote workplace safety and security. They will design sustainability plans and use lean and six sigma principles to plan for quality improvement. Corporate social responsibility, ethics, risk management, and compliance will be emphasized.

Course Number: TBD  Duration: Year  Credits: 1  Grade: 11-12  Fees: None
Additional: offered at PHSN only; credit or concurrent enrollment in another business course

Microsoft Word
This course is designed to students establish their ability to perform tasks within Microsoft Word, such as creating and managing documents, formatting text, paragraphs and sections, creating tables and lists, applying references and inserting and formatting objects. These functions serve as the basis for understanding the fundamentals of business-oriented communication and etiquette in a professional environment through text-intensive media.
After establishing the core skills within Word, students will become proficient in the proper business use of collaboration, the merger of information from a database to a document, the use of software in a paperless business environment, and the importance of accountability in generating business documentation. Responsible use of technology and electronic media will be emphasized and practiced throughout the course.

Course Number: 711  Duration: Semester  Credits: .5  Grade: 9-12  Fees: None
Additional: Course is designed to prepare students for Microsoft Office Specialist certification in Word

Microsoft Excel
This course is designed to students establish their ability to perform tasks within Microsoft Excel, such as creating and managing of worksheets and workbooks. Development of formulas for calculation, cross-referencing, and reporting will follow into more advanced skills, including PivotTables, charting with data projections, and database creation. The thoughtful use of data organization, formatting, information labeling, and workflow efficiency will be emphasized throughout the learning process. These functions serve as the basis for understanding the fundamentals of business-oriented communication and etiquette in a professional environment through data reporting software.
After establishing the core skills within Excel, students will become proficient in the proper business use of charts and data, workflow logic and relationship, the use of information and data as a decision-making tool, and the accessibility of data to stakeholders. Responsible use of technology and electronic media will be emphasized and practiced throughout the course.

Course Number: 713  Duration: Semester  Credits: .5  Grade: 9-12  Fees: None
Additional: Course is designed to prepare students for Microsoft Office Specialist certification in Excel

North Market Merchandising and Buying
Students will determine what to buy, when to buy, how much to buy, and from whom to buy products for resale. They will develop a product mix and apply display and visual merchandising techniques. Students will also implement sales support activities, process sales, track products, and plan merchandise flow. Students will establish and grow positive customer relationships. Technology, employability skills, leadership and communications will be incorporated in classroom activities. Course is offered P/F and can be scheduled during the school day from 7:55 AM until 3:30 PM. Students must adhere to a school policies manual, use and clock in using time-clock and meet with staff for informational meetings on a monthly basis.

Course Number: 951  Duration: Semester  Credits: .5  Grade: 10-12  Fees: None
Additional: Available at PHSN only; instructor approval required
### Integrated Technology Course Offerings

#### Manufacturing and Construction

<table>
<thead>
<tr>
<th>Construction: Building and Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction: Building and Materials is an introductory course that will give students a “hands on” experience with building materials, construction techniques, tools and equipment utilized in industry to build a structure on a site. Students will simulate activities performed by contractors, subcontractors, and laborers as they prepare a site, build a foundation, frame a structure, and finish the exterior and interior details of the structure. The course will also address issues dealing with home maintenance, plumbing, and electricity.</td>
</tr>
</tbody>
</table>
| **Course Number:** 802  
**Duration:** Semester  
**Credits:** .5  
**Grade:** 9-12  
**Fees:** $30  
**Additional:** None |

<table>
<thead>
<tr>
<th>Construction: Design and Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction: Design and Engineering is an introductory level course that will study the skills required to properly design a house and plan a structure. Students will study the concepts, skills, and attitudes about designing and building a residential structure referred to as a “dream house.” Building materials, landscape and exterior design for a structure are also addressed. Students will develop an appreciation for the responsibilities and work of a contractor and services of an architect. Students will develop a set of working drawings, by using drafting techniques and Auto Cad, and will construct a scaled model of their “dream house.” Students will also study contractual and engineering specifications for the structure.</td>
</tr>
</tbody>
</table>
| **Course Number:** 804  
**Duration:** Semester  
**Credits:** .5  
**Grade:** 9-12  
**Fees:** $25  
**Additional:** None |

<table>
<thead>
<tr>
<th>Introduction to Drafting, Drawing &amp; Design</th>
</tr>
</thead>
</table>
| Drafting conventions and drawing techniques will be taught through sketching and instrument drawing. The course will cover such areas as: - Drafting and Drawing techniques  
- Proper use of drafting tools and equipment  
- Lettering and dimensioning practices  
- Multi-view (orthographic) drawings  
- Pictorial (isometric) drawings  
- Designing, drafting, and construction of three-dimensional models  
- Introduction to CAD (Computer Aided Drafting)  
This course is designed to provide students with basic design, drafting, integrated math and science skills along with the ability to conceptualize objects in 2D and 3D. |
| **Course Number:** 808  
**Duration:** Semester  
**Credits:** .5  
**Grade:** 9-12  
**Fees:** $25  
**Additional:** None |
# Computer Science and Information Technologies

## Information Technology Fundamentals
Information Technology (IT) Fundamentals is a computer science foundational course designed for students to acquire the necessary IT skills for their chosen careers. This course will expose students to all areas of IT that are needed in the world of work. The curriculum will introduce students to a variety of computer-based information systems, particularly software applications and computer hardware.

*Course Number: 832  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $15*

### Introduction: None

## Introduction to IT Engineering
This practical, hands-on course in integrated problem solving covers common hardware and software solutions for mobile technologies, Macintosh and Windows based PCs. The course focuses on the following:
- Apple iOS and Android platforms
- MAC and Windows PC platforms
- Mobile device repair

Students investigate the most frequent difficulties found in specific applications. An emphasis is placed on the best solution to the most common work interruptions caused by software and hardware conflicts. Issues including printing, viruses, lost files, surge protection, extensions/drivers, and hardware and software installation are also covered. Students should have a desire to learn how to solve integrated computer problems and the ability to attend to detail.

*Course Number: 838  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $30*

### Additional: None

## Tech Guru
Students help the school and community through service to the Media Center and the district’s one-to-one technology program. [Students should fill out the interest form available online at this link.]

*Course Number: 830  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: None*

## AP Computer Science Principles
In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The creation of computer applications is integral to this process. The course serves as the first step on the PLTW Computer Science Pathway and engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impacts these solutions could have on their community, society, and the world.

*Course Number: 845AP  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: None*

**Additional: students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers**
### AP Computer Science A

This advanced computer science course introduces students to college-level computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. This course, which serves as the second step on the PLTW Computer Science pathway, emphasizes both object-oriented and imperative problem solving and design using Java language at an advanced level. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

*Course Number: 846AP  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: $20*

*Additional: students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers*

### Cybersecurity

Cybersecurity serves as the last step on the PLTW Computer Science pathway and introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students’ knowledge of and commitment to ethical computing behavior. It also aims to develop students’ skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

*Course Number: 827  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: $20*

*Additional: None*

### Engineering

#### Honors Introduction to Engineering Design

The first in a four-course sequence in the national Project Lead the Way curriculum. Students must complete Introduction to Engineering design prior to enrolling in future PLTW courses. Introduction to Engineering Design teaches problem-solving skills using a design development process. Students use design and modeling software to solve engineering problems and create innovative product applications. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work.

*Course Number: 839H  Duration: Full Year  Credits: 1  Grade: 9-12  Fees: $35*

*Additional: PLTW and CTE end-of-course exams required*

#### Honors Principles of Engineering

This course will introduce students to fundamental engineering concepts and scientific principles associated with engineering design applications. Topics include mechanisms, energy, statics, materials, and kinematics. Additionally, students will learn material properties and electrical, control and fluid power systems. Students will learn to apply problem solving, research and design skills to create solutions to engineering challenges.

*Course Number: 840H  Duration: Full Year  Credits: 1  Grade: 10-12  Fees: $35*

*Additional: PLTW and CTE end-of-course exams required*
### Honors Digital Electronics

From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

**Course Number:** 841H  **Duration:** Full Year  **Credits:** 1  **Grade:** 10-12  **Fees:** $25

Additional: PLTW and CTE end-of-course exams required

### Honors Computer Integrated Manufacturing

Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

**Course Number:** 846H  **Duration:** Full Year  **Credits:** 1  **Grade:** 11th preferred  **Fees:** $35

Additional: Credit in Principles of Engineering; PLTW and CTE end-of-course exams required

### Engineering Design and Development

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any postsecondary program or career.

*This is the capstone course for students in the Project Lead The Way Pre-Engineering program*

**Course Number:** 843  **Duration:** Full Year  **Credits:** 1  **Grade:** 11th preferred  **Fees:** $35

Additional: Credit in Introduction to Engineering Design, Principles of Engineering, and Digital Electronics or CIM (preferred); course is weighted through an articulation agreement

### Introduction to Engineering Technology

Introduction to Engineering Technology is a one-semester course that will expose students to many different areas of technology in. Students will be using more machines and technology than used in Junior High. Topics that may be included/incorporated are: power and energy - physics, simple machines, fluid power systems, robotics and mechanical devices; manufacturing materials and processes, STEM-like project construction using manufacturing processes in the areas of woodworking, metal work, plastics, and computer controlled machines. Civil, electrical, industrial, and mechanical concepts are applied in the lab through critical thinking and problem-solving skills in the design and construction of their projects.

**Course Number:** 824  **Duration:** Semester  **Credits:** .5  **Grade:** 9-12  **Fees:** $30

Additional: None
Advanced Engineering Technology
Advanced Engineering Technology is a one semester course in which students will continue to learn and master the different areas of power/energy, manufacturing, and engineering technologies learned in the introductory class. The students will be expected to research and design several working projects and to make a full set of plans for these problems. Students will also be exposed to CNC mills, CNC lathes, robotics, and other supplemental activities. By incorporating integrated math, science and technology activities students will be able to develop an understanding to advanced engineering concepts. Students will build on previous understanding from 824 and extend into understanding material manipulation and Engineering Design and by incorporating integrated math, science and technology activities students will be able to develop an understanding to advanced engineering concepts.

Course Number: 826  Duration: Semester  Credits: .5  Grade: 10-12  Fees: $30
Additional: Credit in Introduction to Engineering Technology required

Multimedia Technologies
Multimedia Tech Prep 1 & 2
Multimedia is a hands-on program using the latest technology to give students the academic and technical skills needed to create Web sites, take great pictures, construct animations, produce excellent videos and design eye-catching graphics. Students will learn to express their creativity as they collaborate, think critically, and communicate with other students to create digital experiences. In our increasingly digital age, these skills are becoming essential for anyone in business. Multimedia is designed to give students a head-start.
Offered through a partnership with Eastland-Fairfield Career & Technical Schools, this is a 2-year program that meets for 2 periods each day, and thus counts for 2 high school credits each year, along with several college credits. For more information about this program, including answers to frequently asked questions, a portfolio of student work, highlights of successful student projects, and updates on what graduates are doing now, please visit: www.eastlandmultimedia.com.

Course Numbers: 834 & 836  Duration: Full Year  Credits: 2  Grade: 11-12  Fees: None
Additional: See counselor for application; course is offered at PHSN, but available to PHSC students as well

Introduction to Video and Television Broadcasting
This is an introductory level course for students interested in the areas of video and motion pictures. Students will learn the basic operation of video cameras, and non-linear editing systems. Using the latest technologies including mobile devices, students will develop an understanding in the following areas:
- studio setup and set design
- television, film, and radio industries
- script writing, lighting, advertising
- other aspects of the broadcasting and motion picture industries

Course Number: 813  Duration: Semester  Credits: .5  Grade: 9-11  Fees: $15
Additional: None
Advanced Video and Television Broadcasting

The student will develop an understanding of the motion picture industry by creating short films and special effects using the latest technologies including mobile devices. Students will also experience the television and cable industries through the production of a half hour program to be aired weekly on all three local cable companies. Students will be expected to work in many different areas of broadcast production. Students are expected to complete work outside of class and may be required to travel around the school district during class time or after school.

This is an advanced level course that builds on the experience and background information from the Introduction to Video course. These students will be involved with the actual production of the video announcements. Students will work in all areas of broadcasting production, including camera operation, audio, post-production editing, studio setup and design, script writing, and stage lighting.

Using the latest technology, students will be exposed to real world scenarios related to produce every aspect of broadcast productions, from transmitting, recording, editing and distribution, to how a studio works.

Course Number: 823  Duration: Semester  Credits: .5  Grade: 10-12  Fees: $15

Additional: Credit in Introduction to Video and Television Broadcasting
Visual Arts Course Offerings

**Foundations in Two-Dimensional Design**
Foundations in Two-Dimensional Design is a course for beginning students interested in drawing, painting, and other 2D works of art. The class will use media, such as graphite, colored pencils, and paint. The class objective is to provide the fundamental “tools" necessary to draw and paint with confidence and to develop within the student the ability to see the world the way artists see. Students who plan on taking more advanced art courses should try to take this course as early as their schedule allows. Sketchbooks will be required.

*Course Number: 850  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $40*

**Foundations in Three-Dimensional Design**
Foundations in Three-Dimensional Design is a course for beginning students who are interested in ceramics, sculpture, and metalworking. Students will learn to work with clay, plaster, metal, and various other materials. Students will also learn to plan out work, develop their personal voice, design elements, color theory, and art history. Students who plan on having a career in art should plan on taking this course their freshman year. Sketchbooks will be required.

*Course Number: 852  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $40*

**Foundations in Computer Graphics**
Foundations in Computer Graphics is a course for students who want to learn how to draw, paint, and digitally manipulate images using various computer graphics programs. Working with the principles of design, students will learn how to use new tools and techniques with each lesson. Students will learn how to create original works of art from scratch, as well as the skills necessary to manipulate/modify photos, or even images of their own, traditional pieces of art. Students who plan on taking more advanced art courses should try to take this course as early as their schedule allows.

*Course Number: 854  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $25*

**Foundations in Photography**
This course is designed to offer a solid foundation in the photographic processes. The course focuses on basic camera operations, composition techniques, photo editing with professional level applications such as Photoshop or Lightroom, and an introduction to chemical processing in the darkroom. Students are encouraged to develop personal artistic expression through photography. Students are expected to complete work outside of class. A digital camera is required (images captured on mobile devices welcome). 35mm film cameras are available for student use, however students are encouraged to use their own cameras.

*Course Number: 814  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $25 at PHSN; $20 at PHSC*

Additional: None
### Intermediate Drawing Exploration
This course is designed to develop drawing skills introduced in Foundations in Two-Dimensional Design. The course will explore 2D art to a more demanding degree, stressing observational techniques, principles of design, and multimedia applications. Students will be encouraged to start developing their own artistic style through research, reflection, and class critiques. Students interested in a career in art are encouraged to take this class early on in their high school course work to learn skills necessary in many other art classes. A sketchbook is required.

- **Course Number:** 864
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 10-12
- **Fees:** $40

Additional: Credit in 2-D Foundations required; course is a prerequisite for Advanced Studio Art

### Intermediate Painting Exploration
This course is designed to develop painting skills introduced in Foundations in Two-Dimensional Design. The course will explore 2D art to a more demanding degree, stressing use of color, principles of design, and various painting media. Students will be encouraged to start developing their own artistic style through research, reflection, and class critiques. Students interested in a career in art are encouraged to take this class early on in their high school course work to learn skills necessary in many other art classes. A sketchbook is required.

- **Course Number:** 868
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 10-12
- **Fees:** $40

Additional: Credit in 2-D Foundations required; course is a prerequisite for Advanced Studio Art

### Intermediate Ceramics
This course is designed to further develop ceramic hand-building techniques and wheel technics, introduced in Foundations in Three-Dimensional Design. Students will continue to examine various glazing and firing techniques. The importance of good design, critical thinking, and problem solving will be stressed. Students will be encouraged to start developing their own artistic style through research, reflection, and class critiques. A sketchbook is required.

- **Course Number:** 872
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 10-12
- **Fees:** $40

Additional: Credit in 3-D Foundations required; course is a prerequisite for Advanced Studio Art

### Intermediate Sculpture
In this course, students will further develop metals, sculpture, and mixed 3D media skills introduced in Foundations in Three-Dimensional Design. Additionally, students can explore alternative mediums. Throughout, students will be encouraged to develop new approaches to their work. The importance of good design, critical thinking, and problem solving will be stressed. Students will be encouraged to start developing their own artistic style through research, reflection, and class critiques. A sketchbook is required.

- **Course Number:** 865
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 10-12
- **Fees:** $40

Additional: Credit in 3-D Foundations required; course is a prerequisite for Advanced Studio Art

### Intermediate Computer Graphics
This course is designed to develop artistic skills introduced in Foundations in Computer Graphics. Students will work with a number of graphics programs which utilize raster, vector, and potentially 3D graphics. Projects will strongly emphasize the principles of design, and may include a blend of photo manipulation, artistic expression, and commercial/graphic design applications. Students will be encouraged to start developing their own artistic style through research, reflection, and class critiques.

- **Course Number:** 851
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 10-12
- **Fees:** $30

Additional: Credit in Foundations in Computer Graphics required; course is a prerequisite for Advanced Studio Art
Intermediate Photography - Film
This is an intermediate level course focused on controlling light by mastering exposure and depth of field through the use of single lens reflex (SLR) film cameras and digital photography. Students will develop film and use their negatives to print photos in the school’s darkroom. Students will also explore hybrid photography by scanning and enhancing their negatives in professional level applications such as Photoshop or Lightroom. Finally, students will continue building their digital skills in digital photography and editing with professional level applications such as Photoshop or Lightroom. Students are expected to complete work outside of class. A digital camera is required (images captured on mobile devices welcome on several assignments). Both film and digital cameras are available for student use, however students are encouraged to use their own cameras.

Course Number: 847A  Duration: Semester  Credits:.5  Grade: 10-12  Fees: $25 at PHSN; $20 at PHSC
Additional: Credit in Foundations in Photography required

Intermediate Photography - Digital
In this class, students will gain a better understanding using a digital single lens reflex camera (DSLR) or mirrorless camera as well as composition, lighting, and digital manipulation techniques in Lightroom and Photoshop. Students are encouraged to provide their own digital camera for this course. Using mobile technology for image capture is acceptable for some assignments. Cameras will be available for student use. Students are expected to complete work outside of class and are encouraged to enter regional and state art competitions.

Course Number: 848A  Duration: Semester  Credits:.5  Grade: 10-12  Fees: $30
Additional: Credit in Foundations in Photography (B average recommended);
students encouraged to also take Intermediate Photography – Film

Advanced Studio Art
Students will be able to work in the 2D – 3D media of their choice, including drawing, painting, ceramics, sculpture, metals or computer graphics. Students will spend the year developing individual portfolios to submit for college consideration and scholarship competitions. Students will be guided through the individual preparation of their portfolios based on prior experience, artistic strengths, and career plans with the help of the instructor. The creation and presentation of portfolios, including the creation of a digital record of work, will be emphasized. Students requesting this course will have demonstrated high motivation, interest, and the ability to work independently during previous art courses. A sketchbook is required. This class may be taken for 879AP: AP (Advanced Placement) credit with permission from the instructor.

Course Number: 871  Duration: Full Year  Credits: 1  Grade: 11-12  Fees: $80
Additional: Credit in at least two intermediate art classes (2D, 3D, or Computer Graphics in any combination)
**Advanced Photography**

This is the final class in the Photography curriculum and is focused on digital photography. This class is aimed at preparing, but not limited to, students for the Professional Photographer Association’s Certified Professional Photographer accreditation. Students will apply the exposure and depth of field skills learned in Intermediate Photography to the digital single lens reflex (DSLR) camera. Students will study composition, portraiture, and advanced lighting and editing techniques. Upon completion of Advanced Photography, students are encouraged to submit a portfolio and complete the Certified Professional Photographer examination. Student must provide their own DSLR or mirrorless camera. Use of mobile devices for image capture is prohibited.

Course Number: 848  
Duration: Semester  
Credits: .5  
Grade: 11-12  
Fees: $30

Additional: Credit in Intermediate Photography –  
and/or Intermediate Photography – Film (B average recommended)

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**AP Studio Art: 2D, AP Studio Art: 3D, AP Studio Art: Drawing**

AP Art is designed for serious-minded art students that are intending to pursue art study in college. The course will focus on the development of a significant and robust portfolio of pieces suitable for collegiate application. AP Studio Art: 2D, AP Studio Art: 3D, AP Studio Art: Drawing

Course Number: 879AP  
Duration: Full Year  
Credits: 1  
Grade: 11-12  
Fees: $80

Additional: students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers
Music Course Offerings

**Marching Band**
The Marching Band is an active performing ensemble that studies and performs literature from all genres. Participation in marching band involves music performance, aerobic activity, and outdoor rehearsals in all elements. The band performs at all varsity football games and at organized band competitions as determined by the director. The band may also be required to perform at community and school events scheduled throughout the year.

*Participation in the band program is by audition only. Attendance at all scheduled rehearsals, sections, and performances are mandatory.*

Pre-band camp, band camp, and summer rehearsals are mandatory. Students must participate in a Concert Performing Group to be in Marching Band. Students may not take any band independent study. Two seasons of membership in marching band fulfill the physical education requirement for graduation.

- **Course Number:** 600  
- **Duration:** 10 weeks  
- **Credits:** .5  
- **Grade:** 9-12  
- **Fees:** A pay-to-participate fee applies  
- **Additional:** Taken in conjunction with concert performing bands

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**Symphonic Band**
The Symphonic Band is a select organization comprised of those high school students who show above average proficiency on their instruments. Literature performed will represent the finest of educational and program material. Performances may include winter and spring concerts and OMEA sponsored contest.

*Membership in the Symphonic Band will be determined through auditions of all instrumental students held in the spring prior to each school year and will be limited to an instrumentation determined by the director.*

The Symphonic Band will meet five days each week during school with additional rehearsals scheduled by the director. Students may not take any band independent study.

- **Course Number:** 604  
- **Duration:** 26 weeks  
- **Credits:** .5  
- **Grade:** 9-12  
- **Fees:** None  
- **Additional:** In conjunction with Marching Band; band plays as an advanced-level competition band

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**Concert Band 1**
Concert Band 1 is a select organization comprised of those high school students who show a marked proficiency on their instruments. Literature performed will represent high-level high school program material. Performances may include winter and spring concerts, OMEA sponsored contests, and commencement exercises.

*Membership in this group is determined through auditions of all instrumental students held in the spring prior to each school year and will be limited to an instrumentation determined by the director.*

Concert Band 1 will meet five days each week during school with additional rehearsals scheduled by the director. Students may not take any band independent study.

- **Course Number:** 606  
- **Duration:** 26 weeks  
- **Credits:** .5  
- **Grade:** 9-12  
- **Fees:** None  
- **Additional:** In conjunction with Marching Band; band plays as an intermediate-level competition band
Concert Band 2
Concert Band 2 is a select organization comprised of those high school students who show proficiency on their instruments but demonstrate significant growth potential. Literature performed will represent material designed to improve technical skills. Performances may include winter and spring concerts and OMEA sponsored contest. 
**Membership in Concert Band 2 will be determined through auditions of all instrumental students held in the spring prior to each school year and will be limited to an instrumentation determined by the director.**
Concert Band 2 will meet five days each week during school with additional rehearsals scheduled by the director. Students may not take any band independent study.

**Course Number:** 608  **Duration:** 26 weeks  **Credits:** .5  **Grade:** 9-12  **Fees:** None

Additional: In conjunction with Marching Band; band plays as an entry-level competition band

Jazz Band
Jazz Band is a course designed to provide students with the opportunity to study music through performance in jazz band. Students will be introduced to and study a wide variety of jazz, Latin, rock and pop music genres and styles. Students will also learn about basic techniques in jazz improvisation. Additionally, students will be given the opportunity to develop self-discipline, leadership, and communication skills. Jazz Band is a full year course.

Students must be a member of the school’s Band Program in good standing or have permission from the instructor to enroll in jazz band. Students must participate in jazz band for the entire year to receive any credit or awards. Membership/enrollment in jazz band is determined by audition in the spring of each school year.

**Course Number:** 602  **Duration:** Full Year  **Credits:** 1  **Grade:** 9-12  **Fees:** None

Additional: None

Orchestra 1
Orchestra 1 is a select organization comprised of those high school students who show proficiency on their instruments. Repertoire performed will include high school level pieces and pieces used to improve string performance techniques. This ensemble will perform 4-7 concerts per year including OMEA sponsored events. Students in this ensemble will focus on posture, technique and other intermediate performance skills including but not limited to bow distribution, tone quality, shifting, and ensemble leadership skills. Orchestra 1 will meet five days each week during school with additional rehearsals scheduled by the director. Membership in Orchestra 1 is by audition only.

**Course Number:** 612  **Duration:** Full Year  **Credits:** 1  **Grade:** 9-12  **Fees:** None

Additional: None

Orchestra 2
Orchestra 2 is a select organization comprised of those high school students who show advanced proficiency on their instruments. Repertoire performed will include the advanced high school, collegiate, and professional literature. This ensemble will perform 4-7 concerts per year including OMEA sponsored events. Students in this ensemble will study advanced musicianship and technique including but not limited to shifting, vibrato, phrasing and professional ensemble skills. Orchestra 2 will meet five days each week during school with additional rehearsals scheduled by the director. Membership in Orchestra 2 is by audition only.

**Course Number:** 613  **Duration:** Full Year  **Credits:** 1  **Grade:** 9-12  **Fees:** None

Additional: None
### Symphonic Chorale
A select singing group determined through auditions each year. This group will take part in the same concerts and may be a part of the Symphonic Choir. They will also take part in many other public and school performances. Students auditioning for this group must have a high regard for all types of music and exhibit good self-discipline. Students will be required to attend extra rehearsals as needed. Students will also be required to purchase either all, or a portion of, their uniform. Auditions will be conducted during second semester.

**Course Number:** 614  
**Duration:** Full Year  
**Credits:** 1  
**Grade:** 9-12  
**Fees:** A pay-to-participate fee applies  
**Additional:** Audition and permission of director required

### Symphonic Choir
The Symphonic Choir is available to students that have a strong desire to improve as singers and musicians. Enrollment in this high-level group is based on audition or, if appropriate, the discretion of the director. The choir is required to take part in the autumn, holiday, winter, and spring concerts, as well as other area events and venues as announced by the director.

Students will be given a schedule of events at the beginning of each year. The director will determine the final size of the choir. Auditions will be conducted during second semester.

**Course Number:** 616  
**Duration:** Full Year  
**Credits:** 1  
**Grade:** 9-12  
**Fees:** None  
**Additional:** Permission of director required

### Concert Choir
The Concert Choir is open to any female student. The choir is required to take part in the autumn, holiday, winter, and spring concerts; contests; festivals; etc.; and other events as announced by the director. Students will be given a schedule of events at the beginning of each year. The director will determine the final size of the choir.

**Course Number:** 622  
**Duration:** Full Year  
**Credits:** 1  
**Grade:** 9-12  
**Fees:** None  
**Additional:** Permission of director required

### AP Music Theory
The AP Music Theory course is equal to a first-year college-level music theory course, covering the material from two separate courses: written skills and aural skills. Within the course, students will study elements of music such as rhythm, notation, sight singing, rhythmic dictation, keyboard harmony and part writing all within the historical “common practice period” (18th-19th centuries).

There are two goals for this class: 1) that students would be prepared to take the AP Music Theory exam, and 2) that students would have a lifelong ability to understand and appreciate music.

The development of aural skills is a primary objective of the AP Music Theory course. Throughout the course, students listen to musical works attentively and analytically, developing their musical memory and their ability to articulate responses to formal, stylistic, and aesthetic qualities of the works. Performance using singing, keyboard, and students’ primary performance media are also a part of the learning process. Although sight singing is the only performance skill that is directly tested by the AP Exam, training in all these areas will develop the aural skills that are tested. Fluency and quickness with basic materials are essential to success in the course.

**Course Number:** 610AP  
**Duration:** Full Year  
**Credits:** 1  
**Grade:** 11-12  
**Fees:** None  
**Additional:** Required concurrent enrollment in an ensemble or permission from instructor. The student’s ability to read and write musical notation is fundamental to such a course. It is also strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument; students eligible for free/reduced lunch should check with their counselor about AP exam fee waivers
Theatre Course Offerings

**Fundamentals of Acting and Theatre History**
This course covers the foundations of performance skills and practice. Students will study voice, body, characterization, basic text analysis, and the connection of these elements.
Students will also learn Theatre history and about theatre’s application as a business, stemming into marketing themselves as an actor. Students will also be required to perform small scenes and monologues. They will be assessed on their participation, quizzes, worksheets, group work, and performances.

*Course Number: 576  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $5*

Additional: None

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**Advanced Acting, Literature, and Film**
This course is constructed as a higher-level continuation of Fundamentals of Acting and Theatre History. Students will engage in a challenging, complex study of specific acting techniques and practices. By focusing on various performance methods, etiquette, and preparation, students will develop in-depth character ability, progression, and script/character analysis.
In addition, students will learn the structures of musical theatre, and analyze a number of classical plays and view the corresponding films while comparing and contrasting the two. Students will be assessed on their participation, quizzes, worksheets, group work, projects, and performances.

*Course Number: 577  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $5*

Additional: Credit in Fundamentals of Acting and Theatre History required

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**Actors’ Studio I**
Actors' Studio is for those students who want to produce longer works. Class members will produce the holiday dinner theatre or other special events and help in the production of the fall play. This is an audition-based course and instructor permits entry in this class.

*Course Number: 578  Duration: Semester  Credits: .5  Grade: 9-12  Fees: $5*

Additional: Credit in Advanced Acting, Literature, and Film required

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**Actors’ Studio II**
Actors’ Studio II this course is for those students who want to produce longer works. Class members will produce the spring dinner theatre or other special events and help in the production of the spring musical. This is an audition-based course and instructor permits entry in this class.

*Course Number: 579  Duration: Semester  Credits: .5  Grade: 10-12  Fees: $5*

Additional: Credit in Actors’ Studio required
### Dance Theory and Composition

This course will introduce students to the art and formal ideologies of dance. Basic compositional techniques will be discussed and practiced, with an emphasis on principles such as weight, space, time, effort, and shape. The intent is to give students an awareness and reverence for the physical body and its athletic and expressive capabilities. Students will experience these elements through a variety of genres: modern dance, musical theatre dance, jazz, ballet, African and others. Introductory elements of dance choreography and performance are also included.

Principles of musicality will be considered and developed by each student. Working with each other as the raw material of the dance, students will develop short compositions that reveal their understanding of basic techniques. Students will come to understand a range of compositional possibilities available to artists who work with the medium of the human body.

- **Course Number:** 580
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 9-12
- **Fees:** $5
- **Additional:** None

### Theatre Production 1

This course is designed to be a practical, hands-on approach to theatre. Students will be introduced to the fundamentals of lighting, sound, and rigging and will concentrate on learning the fundamentals of scenery construction by helping to construct the set for the Fall Play. They will also serve as crew members for various school district events which are produced in the Performing Arts Center.

- **Course Number:** 568
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 9-12
- **Fees:** $5
- **Additional:** None

### Theatre Production 2

This course is a continuation of Theatre Production 1. Greater emphasis is placed on lighting, sound, and rigging. Students will serve as construction crew members for the Spring Musical and also serve as crew members for various school district events which are produced in the Performing Arts Center.

- **Course Number:** 570
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 9-12
- **Fees:** $5
- **Additional:** Credit in Theatre Production I required

### Theatre Production 3

This class is for the serious technical theatre production student who has displayed outstanding technical and theatre construction skills on previous main stage productions. Under the direction of the instructor, the student will produce demanding projects during the semester.

- **Course Number:** 572
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 10-12
- **Fees:** $5
- **Additional:** Extensive experience on crews of the Fall Play and Spring Musicals, and permission of Instructor or Audition

### Theatre Production 4

This class is a continuation of Theatre Production 3. The student will produce challenging works in the technical or construction fields under the direction of the instructor.

- **Course Number:** 574
- **Duration:** Semester
- **Credits:** .5
- **Grade:** 10-12
- **Fees:** $5
- **Additional:** Extensive experience on crews of the Fall Play and Spring Musicals, and permission of Instructor or Audition
Health and Physical Education Course Offerings

**Health**
This course focuses on gaining current knowledge about selected health topics. It also gives students opportunities to demonstrate the following skills: goal setting, coping with stress, communicating, and decision-making. This course includes the following topics: mental and emotional health, nutrition, physical fitness, stress management, tobacco, alcohol and other drugs, and sexual health. This course is designed to assist students to obtain accurate information, develop lifelong positive attitudes and behaviors, and make wise decisions related to their personal health.

*Course Number: 900  Duration: Semester  Credits: .5  Grade: 10-12  Fees: $9*
*Additional: Required credit for graduation; course is co-educational*

**Lifetime Fitness**
This course is designed for those students who wish to develop a personal fitness program. Lifetime Fitness will help the student develop individual strategies for a lifetime of healthy living. Students will evaluate their present fitness level and then develop a plan on how to improve their personal fitness. Body movement, cardiovascular conditioning and strength conditioning will be emphasized. The class will also discuss nutrition and the role it plays in maintaining a healthy lifestyle. Video workouts used in class may include Pilates, yoga, and Tae-Bo to reinforce the importance of flexibility and muscular strength.

*Course Number: 901  Duration: Semester  Credits: .25  Grade: 9-12  Fees: None*
*Additional: Course may not be repeated to fulfill Physical Education requirement for graduation*

**Lifetime Sports**
This class will introduce students to lifetime sports. During each unit of study students will learn physical skills, rules, concepts, game strategies, and sportsmanship. This course will engage students in a number of sports that will allow them to remain active and healthy throughout their lifetime. Lifetime Sports may include but will not be limited to the following activities: tennis, Frisbee golf, golf, badminton, table tennis and various recreational activities. In addition to exploring lifetime sports this class will also include basic fitness instruction and lifetime conditioning skills.

*Course Number: 903  Duration: Semester  Credits: .25  Grade: 9-12  Fees: None*
*Additional: Course may not be repeated to fulfill Physical Education requirement for graduation*

**Team Sports**
This class is designed for those students who wish to participate in team sports. The team sports will focus on game rules and strategies associated with a variety of sports. The emphasis of this class will be on teamwork, sportsmanship, and improve the basic skill level required by the various team activities. Some of the team activities the students may participate in may include but will not be limited to the following activities: flag football, soccer, volleyball, basketball, and track and field, softball, eclipse ball and speedball.

*Course Number: 905  Duration: Semester  Credits: .25  Grade: 9-12  Fees: None*
*Additional: Course may not be repeated to fulfill Physical Education requirement for graduation*

**Physical Conditioning and Strength Training**
This program will help students understand the importance of strength training and how it relates to sports. This course will cover a comprehensive overview of the basic techniques and fundamentals of safe, sound, and effective strength training. The course will help develop an understanding that strength training will decrease injuries, increase physical size, muscular strength, speed, improve self-esteem, and skill performance.

*Course Number: 908  Duration: Semester  Credits: .25  Grade: 9-12  Fees: None*
*Additional: Course may not be repeated to fulfill Physical Education requirement for graduation*
Service Learning and Education Course Offerings

Peer Collaboration
Students will have the opportunity to learn about disabilities, diversity and acceptance. The peer collaborator will support students with disabilities in their classes and assist them to succeed by helping them to complete class assignments and participate in class. Students will be required to participate in a training session, complete a reflection paper due at conclusion of class and keep a daily attendance log.

Course Number: 490  Duration: Semester  Credits: .5  Grade: 10-12  Fees: None
Additional: Application and instructor approval required

Gold Medal Peer
The Gold Medal Peer program is designed to provide an experience for students interested in service learning and volunteerism as well as students who may be interested in a career working with people with disabilities. This course is offered at Pickerington High School Central and North. The course is housed in the special education department and is designed to offer a peer social experience for disabled and non-disabled students.

Goals of the program include learning about disabilities, diversity and acceptance. The course will be based on the Ohio Department of Education’s community service standards. Gold Medal Peers will model the virtues and attributes of friendship to their peers by assisting and supporting them academically and socially within their general education classes. This support may include, but is not limited to, help with assignments. Additionally, gold medal peers will maintain a social connection to their partner peers outside of the classroom setting.

Course Number: 491  Duration: Semester  Credits: .5  Grade: 9-12  Fees: None
Additional: Application and instructor approval required; course is integrated into student’s schedule

Introduction to Education CCP
Students will have the opportunity to learn about disabilities, diversity and acceptance. The peer collaborator will support students with disabilities in their classes and assist them to succeed by helping them to complete class assignments and participate in class. Students will be required to participate in a training session, complete a reflection paper due at conclusion of class and keep a daily attendance log.

Course Number: EDUC2210CCP  Duration: Semester  Credits: 1 high school, 3 college  Grade: 9-12  Fees: None
Additional:
Service Learning: Academic Tutoring

Service Learning: Academic Tutoring is a form of experiential learning that offers purposeful learning with real-world applications. Integrating community service with the common core standards, the 21st century learner will gain valuable insight through the five stages of service learning: investigation, preparation, action, reflection, and demonstration. Students will participate in an academic tutoring program with a PLSD elementary school and work with elementary students and teachers.

Students that are selected for this class will be in service placements for three days and will be required to attend a weekly meeting session(s). Students must be able to provide their own reliable transportation to and from a partner elementary school. Students will be required to have knowledge of Google classroom, complete an online portfolio, make presentations, and keep a daily attendance log.

Course Number: 494  
Duration: Full Year  
Credits: 1  
Grade: 11-12  
Fees: None

Additional: Application and instructor approval; recommendation of at least two teachers  
and excellent attendance recommended records

Work-Based Learning Program

Work Based Learning (WBL) is a culminating course in a student’s logical sequence of courses for a chosen career pathway. In this course, students can apply the concepts, skills, and dispositions learned in previous coursework in their pathways in real world business and industry settings. Therefore, it is recommended that at least two courses in a student’s pathway would be applicable to the student enrolling in the stand-alone WBL courses.

A standards-based training plan will be developed by the student, teacher, and workplace mentor to guide the student’s work based learning experiences to evaluate achievement and performance, whether WBL is a standalone course or a component of a discipline-specific career and technical education course. Intensive applications are a required component of this course and may be either school based or work based or a combination of the two. Work-based learning experiences should be in a closely related industry setting. When a course is offered for multiple hours per semester, the amount of project-based application or work-based learning needs to be increased proportionally.

Course Number: TBD  
Duration: Variable  
Credits: Variable  
Grade: 12  
Fees: None

Additional: Application (insert URL here) and instructor approval; excellent school attendance expected

Students must let the district know about their interest using this online form.

WBL Options:

<table>
<thead>
<tr>
<th>Healthcare: Fairfield Medical Center</th>
<th>Fire Explorers Program</th>
<th>Healthcare: Abbington Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMC will accept interns at their facilities in multiple aspects of the healthcare profession; includes a semester of college courses through College Credit Plus</td>
<td>Violet Township Fire Exploring gives young people valuable insight into the fire-fighting profession through ride-along and station activities</td>
<td>With an aging population, geriatrics will be a critical component in healthcare. Abbington provides a local option for patient work.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ohio State – John Glenn Internship</th>
<th>PICKTalent</th>
<th>Self-Directed</th>
</tr>
</thead>
<tbody>
<tr>
<td>The High School Internship Program at The Ohio State University provides students first-hand experience in the public service and policy sector. College courses at the campus are integral to the program.</td>
<td>This is a new program in cooperation with the Chamber of Commerce to link students with local business professionals</td>
<td>Students may develop an individualized program using their pre-existing volunteer, service, or work connections.</td>
</tr>
</tbody>
</table>
### Online Course Options

#### Certified Caregiver

Our Certified Caregiver program prepares individuals who have an interest in patient care to enter employment in the fastest growing healthcare field with wages comparable to a Certified Nursing Assistant. This credential is completed entirely online and takes about fifteen hours of course work to complete and includes certification in OSHA 10.

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#### Employability Skills

The modules covered align to the US Department of Labor’s “Skills to Pay the Bills” curriculum, as well as top skills identified by employers across the country. The basic structure of the program is comprised of online modules that focus on the following key skill areas: Communication, Teamwork, Networking, Professionalism, Decision Making, Work Ethic, Self-confidence, Time Management, Goal-setting, Perseverance, Enthusiasm& Attitude, Problem Solving & Critical Thinking, Accepting and Learning from Criticism, Flexibility& Adaptability and Working Under Pressure.

The course is considered as year-long, and will be worth one (1) credit.

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