Introduction

This Program of Study booklet provides important information about the courses offered at Fairborn High as well as state and local requirements for graduation, academic awards, and curricular options.

Students should make course selections carefully. Being familiar with the Program of Study will help you make appropriate high school course selections. We encourage you and your parents to read through the Program of Study with your future academic plans in mind. The courses that students select should be based on their abilities, graduation requirements, and goals for the future.

Every effort will be made to accommodate students' course requests for the following school year; however, enrollment numbers and staffing constraints may ultimately affect which courses and/or how many sections of each course are able to be scheduled. Information about any new course offerings or cancellation of courses will be shared with the student body as the information becomes available. If you have any questions or concerns about course offerings or the scheduling process, please contact your counselor:

A – C: Mr. Craig Vasil,  D – J: Mr. Brandon Prather,  K – Q: Mrs. Michelle Mitchel,  R – Z: Mrs. Khris Scohy

Bob Cotter, Principal
Belinda Banks, Assistant Principal
Brent Ehresman, Assistant Principal
Deb Hauberg, Assistant Principal

Fairborn City Schools Website
www.fairborn.k12.oh.us
Definition of Terms

Several words or expressions will be used throughout this booklet. Some of the most important ones are explained below:

**Unit of Credit**
One unit of high school credit is awarded for each course that meets five days a week for a school year. One-half unit of high school credit is awarded for each course that meets five days a week for one semester. Exceptions: one-fourth high school credit is awarded for some physical education courses, and courses offering post-secondary education credits may have different credit values assigned.

**Required**
Courses that a student must pass in order to graduate.

**Elective**
Courses that are not specifically required, but may be used toward fulfilling graduation requirements in some cases.

**Prerequisite**
Coursework, grade-level status, and/or other requirements that must be fulfilled in order to enroll in a course.

**Transcript**
A complete record of courses taken and marks earned, total number of credits attempted and earned, GPA and class rank, OGT/SAT/ACT test results, and attendance records for a particular student.

**Grade Point Average**
Calculation based on final grades, attempted credits, and honors points; GPAs are cumulative, with the exception of those calculated for quarterly honor roll and eligibility.

**Honors Points**
Additional points added to the GPA for successful completion of designated honors courses.

**Grading Scale:**
A (90-100)  B (80-89)  C (70-79)  D (60-69)  F (0-59)

**Class Status:**
Twenty-one credits are required to graduate from Fairborn High School. Class status is changed at the beginning of the school year only. Class Status is determined by the number of credits the student has earned as follows:

- 0 – 4.75 credits: 9th grade (Freshman)
- 5 – 9.75 credits: 10th grade (Sophomore)
- 10 – 14.75 credits: 11th grade (Junior)
- 15 or more credits: 12th grade (Senior)

Fairborn High School Graduation Requirements

To earn a diploma from Fairborn High School, the following requirements must be met:

1. Complete Fairborn High School curriculum requirements of twenty-one (21) credits. Fairborn High’s curriculum requirements meet or exceed the standards set by the Ohio Department of Education.
2. Have paid all outstanding school fees and/or debts
3. Pass all sections of the Ohio Graduation Test (OGT)

The Fairborn Board of Education mandates that at the time of graduation each student will have fulfilled all state testing, academic, and financial obligations. A good school record is the best recommendation an applicant can offer, either to a college or to a job. A record of good personal behavior and cooperation will be expected.
Fairborn High Curriculum Requirements

<table>
<thead>
<tr>
<th>Courses</th>
<th>Required credits through 2013</th>
<th>Required credits 2014 and beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Including English 9, English 10, and English 11</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>3</td>
<td>4*</td>
</tr>
<tr>
<td>* Including Algebra I, Geometry, and Algebra II or its equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3*</td>
<td>3*</td>
</tr>
<tr>
<td>^ Including 1 unit of biological science and 1 unit of physical science</td>
<td></td>
<td></td>
</tr>
<tr>
<td># Including 1 unit of biological science, 1 unit of physical science, &amp; 1 unit of advanced study</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Including World Studies, American Studies, and Government</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Business/Technology, Fine Arts, or Foreign Language</strong></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Career &amp; Finance</strong></td>
<td>--</td>
<td>½</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>6</td>
<td>4 ½</td>
</tr>
</tbody>
</table>

**Total Required Credits** 21 21

Recommended Credits Include:

- **Subject Area**
  - **English** 4+ credits 4+ credits
  - **Math** 4+ credits 4+ credits
  - **Science** 4+ credits 3+ credits
  - **Physical Education** ½ credit ½ credit
  - **Health** ½ credit ½ credit
  - **Social Studies** 3+ credits 3+ credits
  - **Business/Technology, Fine Arts, or Foreign Language** 2+ credits 3+ credits
  - **Performing Arts, Visual Arts, and/or Applied Arts** 2+ credits
  - **Foreign Language** 2+ credits

**Four-Year Plan:** It is recommended that each student develop a four-year plan and revise it each year as a means to help ensure that graduation requirements are being addressed each year. A worksheet is available from the guidance office for students to use as a tool to develop such a plan and to track their own progress.

**Alternate Requirements to Earn an Ohio Diploma**

If a student passes four of the five Ohio Graduation tests and meets all of the following criteria, then the student will meet the testing requirements for earning an Ohio diploma:

- Missed a passing score on the one failed test by 10 points or less
- Has 97% attendance in each of last four school years, excluding any excused absences. (NOTE: Student must currently have at least a part-time enrollment status and be registered in at least 5 courses.)
- Has not been expelled from school in any of the last four school years
- Has a grade point average of at least 2.5 out of 4.0 in the subject area of the test not yet passed, and has completed all other high school curriculum requirements
- Has participated in any intervention programs provided by the school/district in the subject area not yet passed and has a 97% attendance rate in any programs offered at times beyond the normal school day.
- Has letters recommending graduation from the principal and each of the student’s high school teachers in the subject area of the test not passed
Early Graduation

Early graduation is an option for students who will complete all graduation requirements in less than four school years. If circumstances exist which seem to warrant early graduation, the principal, after careful consideration and discussions with the parents or guardians, the student, and the counselor, may grant permission for early graduation.

- **Requests for early graduation must be made in writing by the parents or guardians to the high school principal by September 15 for January graduation or December 15 for a spring or summer graduation.** The school cannot guarantee that a diploma and cap and gown can be ordered and delivered in time for students to participate in the graduation ceremony if these deadlines are not met.
- Students’ final rankings will be with the class in which they graduate.
- Students who graduate in the summer may receive their diplomas in the principal’s office, or they may elect to participate in the next year’s graduation ceremony.

Transfer Credits

Transfer credits and grades for secondary school courses earned by a student in other chartered Ohio schools or schools approved or accredited by the Department of Education in another state will be accepted by Fairborn City Schools. Credits will be awarded according to guidelines established by the Ohio Department of Education and Fairborn City Schools.

Credits from non-chartered schools and schools in foreign countries will be evaluated by the principal and may or may not be accepted based on the following:

1. Criteria for such determination will include the number of days the school was in session, length of the official school day, the number of scheduled meetings per course, and the clock hours per year for each course, as well as course content.
2. The principal also may request evidence that the courses were taught by teachers holding properly validated certificates from the appropriate state education agency.
3. The principal may consider the student’s past academic history, including courses taken, grades earned, and the results of standardized and criterion-referenced testing. The principal may require additional testing to determine the best educational placement for the student.
4. Credit for religious courses in a chartered or non-chartered school cannot be counted toward the minimum number of credits required for a Fairborn High School diploma.
5. Honors credit and/or honors credit GPA weights will only be given for those courses that are offered for honors credit/weighting at Fairborn High School.

Home-schooled students enrolling at Fairborn High School are subject to the following:

1. The parents or guardians will provide official results of a recognized standardized achievement test taken within three months prior to enrolling in Fairborn City Schools, preferably the California Achievement Test (CAT) or the Iowa Test of Basic Skills (ITBS). The Universal Tutoring Center is a place where parents or guardians can have these tests administered at their expense. Their telephone number is (937) 299-1950.
2. The parents or guardians will provide a list of the subjects that were studied at home.
3. The parents or guardians will provide a copy of the notification form from Fairborn City Schools or the district where the student was home schooled showing that the student was officially home schooled.
4. The parents or guardians will provide the educational materials that were used.
5. The parents or guardians will provide a written evaluative report from the home schooling instructor.
6. The parents or guardians will provide a list of the hours per day in class and number of days attended for the year.
7. The student will be required to take the Fairborn High School final exam for the corresponding course to determine if credit will be awarded.
8. For courses that are accepted for credit, the student will receive a grade of “Pass” with a “home schooling” notation on the transcript. These courses will not be calculated into the grade point average (GPA).
Academic Distinction Awards Upon Graduation

Diploma with Honors Requirements

Historically, the State Board of Education has encouraged excellence in both college preparatory and career-technical curriculum. Outstanding students may receive special recognition for their achievements through the State Board of Education's Diploma with Honors and Award of Merit.

Ohio Department of Education's Diploma with Honors requirements presuppose completion of all high school diploma requirements in Ohio Revised Code.

<table>
<thead>
<tr>
<th>Subject</th>
<th>High School Academic Diploma with Honors</th>
<th>Career-Technical Diploma with Honors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Students need to fulfill only 7 of the following 8 criteria</td>
<td>Students need to fulfill only 7 of the following 8 criteria</td>
</tr>
<tr>
<td>English</td>
<td>4 units</td>
<td>4 units</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content</td>
<td>4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content</td>
</tr>
<tr>
<td>Science</td>
<td>4 units, including physics and chemistry</td>
<td>4 units, including physics and chemistry</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4 units</td>
<td>4 units</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3 units of one foreign language OR 2 units each of two foreign languages</td>
<td>Not counted toward requirements</td>
</tr>
<tr>
<td>Fine Arts (art or music)</td>
<td>1 unit</td>
<td>Not counted toward requirements</td>
</tr>
<tr>
<td>Career-Technical</td>
<td>Not counted toward requirements and may not be used to meet requirements</td>
<td>Count as Electives</td>
</tr>
<tr>
<td>Electives</td>
<td>Not counted toward requirements</td>
<td>4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship or be part of an articulated career pathway which can lead to post secondary credit.</td>
</tr>
<tr>
<td>Grade Point Average</td>
<td>3.5 on a 4.0 scale at the completion of the student’s 7th semester</td>
<td>3.5 on a 4.0 scale at the completion of the student’s 7th semester</td>
</tr>
<tr>
<td>ACT/SAT Score [excluding scores from the writing sections]</td>
<td>27 ACT / 1210 SAT</td>
<td>27 ACT / 1210 SAT</td>
</tr>
<tr>
<td>Additional Assessment</td>
<td>None</td>
<td>Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the equivalent</td>
</tr>
</tbody>
</table>
The Award of Merit provides students with an excellent opportunity to receive extra recognition for their total educational achievements. This award differs from the Diploma with Honors. Students eligible for the Award of Merit and the Diploma with Honors may receive both. This certificate will be awarded by the Ohio State Board of Education to all those who meet the criteria specified in A and C or B and C below.

<table>
<thead>
<tr>
<th>A College Prep Criteria</th>
<th>B Career-Technical Criteria</th>
<th>C Performance Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. English – 4 units (may include ½ credit of speech)</td>
<td>1. English – 4 units</td>
<td>Maintain above average attendance for grades 9-12 (compared to a rolling four-year state average.)</td>
</tr>
<tr>
<td>2. Mathematics - 3 units (must include 1 unit of algebra and 1 unit of geometry)</td>
<td>2. Mathematics - 3 units</td>
<td></td>
</tr>
<tr>
<td>3. Science – 3 units</td>
<td>3. Science – 3 units</td>
<td>Demonstrate outstanding citizenship/character traits in accordance with criteria established by the district board of education.</td>
</tr>
<tr>
<td>4. Social Studies – 3 units (must include 2 units of history and ½ unit of civics/government)</td>
<td>4. Social Studies – 3 units</td>
<td></td>
</tr>
<tr>
<td>5. Foreign Language – 3 units of one language or 2 units each of two languages)</td>
<td>5. Complete a career technical occupational preparation program as well the course criteria listed. [Note: Applied academic credits earned via career-technical education shall apply to the criteria for the Award of Merit.]</td>
<td>Participate in co-curricular, extracurricular, or community activities in accordance with procedures established by the district board of education.</td>
</tr>
<tr>
<td>6. Complete 2 additional units from one or more of the areas listed above - OR - Complete 2 units in one or more of the following: a.) Business b.) Computer Science c.) Visual or Performing Arts</td>
<td>6. Complete 2 additional units from one or more of the areas listed above - OR - Complete 2 units in one or more of the following: a.) Business b.) Computer Science c.) Foreign Language d.) Visual or Performing Arts</td>
<td>Demonstrate outstanding achievement in the curriculum as evidenced by one of the following: * earn the equivalent of an overall GPA of 3.25 on a 4.0 scale for grades 9-12 * earn the equivalent of an overall GPA of 3.5 on a 4.0 scale for grades 11 and 12 * rank in the top 25% of the class</td>
</tr>
</tbody>
</table>

Class Rank Calculation

Class rank is determined using a 4.0 scale and the weighted GPA. Class rankings are calculated at the end of each semester.
Valedictorian(s) and Salutatorian(s) Determination

The valedictorian(s) and salutatorian(s) will be determined at the conclusion of the 7th semester from the roster of students who have spent at least four years in high school. The student(s) with the highest 7th-semester weighted GPA (rounded to two decimal places) will be named the valedictorian(s) and the second highest will be named the salutatorian(s). If there is a tie for the valedictorian, there will be no salutatorian.

In calculating the 7th-semester weighted GPA, a weight of .025 credit will be added for each semester-long honors course, and weight of .05 will be added for any year-long honors course completed during the 7 semesters, as well as courses in progress for the 8th semester.

Grade Point Average (GPA) Calculation

All letter grades have values: A=4; B=3; C=2; D=1; F=0. “Pass/No Credit” classes are not included. Quality points are calculated by multiplying the grade value by the credit attempted. The unweighted GPA is calculated by dividing the total number of quality points by the total number of credits attempted (not earned). GPAs are rounded to three decimal places. The weighted GPA includes all honors points; .025 per successfully completed honors course per semester added to the unweighted GPA. For students who transfer to Fairborn High School from another high school, points for an honors course will be awarded only if that same course is offered at Fairborn High School.

Example of a GPA calculation at the conclusion of a student’s freshman year:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Value</th>
<th>Credit Attempted</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9 - Honors</td>
<td>B</td>
<td>3</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>World Studies A</td>
<td>C</td>
<td>2</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>World Studies B</td>
<td>C</td>
<td>2</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>Algebra I AB</td>
<td>B</td>
<td>3</td>
<td>0.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Algebra I CD</td>
<td>A</td>
<td>4</td>
<td>0.5</td>
<td>2</td>
</tr>
<tr>
<td>Biology I A</td>
<td>D</td>
<td>1</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Biology I B</td>
<td>B</td>
<td>3</td>
<td>0.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Phys.Ed. Survey</td>
<td>A</td>
<td>4</td>
<td>0.25</td>
<td>1</td>
</tr>
<tr>
<td>Freshman Focus</td>
<td>P</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>French I</td>
<td>A</td>
<td>4</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Sculpture Basics</td>
<td>F</td>
<td>0</td>
<td>0.5</td>
<td>0</td>
</tr>
</tbody>
</table>

TOTALS: 5.75  15.5

Unweighted GPA:

\[
\text{Quality Pts.} = \frac{\text{Credits Attempted}}{\text{Credits Attempted}} \times 15.5 = 2.696
\]

Weighted GPA = Unweighted GPA + Honors Points

\[
= 2.696 + (0.25 \times 2 \text{ semesters for 1 honors course})
= 2.696 + 0.5 = 2.746 \text{ cum GPA}
\]

Calculating GPA for Honor Roll and Eligibility

When calculating the GPA used to determine honor roll status and athletic eligibility, honors points are NOT factored into the calculation. Letter grades earned in each course in the current term are awarded values (A=4; B=3; C=2; D=1; F=0) and “Pass/No Credit” classes are not included. Quality points are calculated by multiplying the grade value by the number of units (class periods) attempted for the quarter. With the exception of ¼-credit physical education courses, each course typically will have a “unit attempted” of 1. (Courses worth ¼-credit upon completion of the course earn .5 units attempted per quarter when calculating GPAs for honor roll and eligibility.)
Example of a GPA calculation at the conclusion of 1st quarter:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Value</th>
<th>Unit Attempted</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9</td>
<td>B</td>
<td>3</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>World St.</td>
<td>A</td>
<td>4</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Biology I</td>
<td>D</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Algebra I</td>
<td>C</td>
<td>2</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>Life Sports</td>
<td>C</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Freshman Focus</td>
<td>P</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Spanish I</td>
<td>F</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Basic Ceramics</td>
<td>C</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTALS:</strong></td>
<td></td>
<td></td>
<td>6.5</td>
<td>12</td>
</tr>
</tbody>
</table>

$$\text{GPA} = \frac{\text{quality points}}{\text{units attempted}} = \frac{12}{6.5} = 1.846$$

Curricular Program Options

Greene County Career Center (GCCC)

Fairborn High School students have the opportunity to attend the Greene County Career Center. Students must apply and meet the GCCC requirements to participate in the programs offered there. These requirements include a minimum of 8 credits, including ½ credit of Physical Education and ½ credit of Health. Some GCCC programs have additional prerequisite requirements. Contact your FHS Guidance Counselor for more information about the programs GCCC offers, GCCC’s enrollment requirements, or to find out more about the Greene County Career Center itself.

Project Lead The Way (PLTW): 2 Pathways Options to Success in Science, Technology, Engineering, and Mathematics

*Project Lead The Way* is a set of two programs introduced at Fairborn High School in 2009-2010: *Pathway to Engineering* and *Pathway to Biomedical Sciences*. Centered on pre-college curriculums and practical applications of theory, the two PLTW pathway options will prepare students for future programs in engineering or medical fields. The programs provide rigorous, hands-on experiences for students as they learn the key elements and skills associated with each field. Studies of the PLTW curriculum have proven that PTLW students become the kind of prepared, competent, high-tech employees U.S. industry needs to stay competitive in a global market.

FHS offered the first course in each program series in 2009-2010, the second course in 2010-2011, and the third course will be added for each from 2011-2012. The final course in the series will be added in 2012-2013. Each of the introductory courses (i.e. the first class in each series) can be taken as a stand-alone class or as the beginning of the entire series. Transferrable college credit may be earned following the completion of four courses in a series in the *Pathway to Engineering*. Students must also be concurrently enrolled in college-preparatory English and mathematics courses.

Dual Enrollment Options

Dual enrollment courses allow students to complete college credit while simultaneously earning high school credit. Prerequisites and credit hours vary by course. Course fees are subject to change. Dual enrollment courses are taught on the FHS campus by professors affiliated with the following post-secondary institutions:

- Sinclair Community College
- Clark State Community College
- [Pending]

This course is being considered for Dual Enrollment

Within the *Program of Study*, dual enrollment courses are designated by the logo of the partnering college as listed above.
Post-Secondary Enrollment Options (PSEO)

The Ohio Revised Code (ORC), sections 3365.01 through 3365.09, lists the conditions under which high school students may enroll at a college to complete courses for high school graduation credit and/or college credit. Information about the PSEO program is available in the Fairborn High School Guidance Office. To be eligible for enrollment in the program, students must attend the annually scheduled PSEO Informational Meeting held by the Guidance Department, typically in February. **Attendance at this Informational Meeting is mandatory for participation in the PSEO Program per Ohio Revised Code, and the student must complete a PSEO application to the college of choice.**

Under the provisions of Section 3365.11 of the ORC, the superintendent will seek reimbursement from the student or his/her parents for the amount of state funds paid to the college for a failed PSEO course. In addition, under the provisions of division (C) of section 3313.642 of the ORC, the school district may withhold the grades and credit received by the student for district courses until the student or his/her parents provide the reimbursement. **Please be aware that seeking reimbursement from the student or his/her parents is mandatory under the law.**

Seniors to Sophomores Option

Students who have attained senior status may participate in the **Seniors to Sophomores** option, as identified in section 3365.15 of The Ohio Revised Code (ORC). **Seniors to Sophomores** refers to the notion that high school seniors may enroll at a college for the entire duration of their senior year in order to complete courses for high school graduation credit and/or college credit. Students completing the program could then potentially gain enough college credits to advance to sophomore status at the collegiate level directly upon graduation from high school. Fairborn High School has entered into an agreement with Clark State Community College to offer the **Seniors to Sophomores** option for the 2011-2012 academic year.

To be eligible for enrollment in the program, students must have passed all portions of the Ohio Graduation Test, completed **Algebra II** with a “C” or better, completed 3 English credits with a “C” or better, pass the participating university’s entrance exams, and attend the **Seniors to Sophomores** Informational Meeting held by the Guidance Department, typically in February. (The mandatory **Seniors to Sophomores** meeting is held at the same time as the mandatory PSEO meeting.) **Attendance at this Informational Meeting is mandatory for participation in the Seniors to Sophomores program per Ohio Revised Code.** Information about the **Seniors to Sophomores** program is available in the Fairborn High School Guidance Office.

Under the provisions of Section 3365.11 of the ORC, the superintendent will seek reimbursement from the student or his/her parents for the amount of state funds paid to the college for a failed **Seniors to Sophomores** course. In addition, under the provisions of division (C) of section 3313.642 of the ORC, the school district may withhold the grades and credit received by the student for district courses until the student or his/her parents provide the reimbursement. **Please be aware that seeking reimbursement from the student or his/her parents is mandatory under the law.**

Guided Learning Experience (GLE)

Seniors at Fairborn High School are permitted to participate in guided learning experience. The purpose of this program is to give students the opportunity to relate what they have learned in school to the work environment; it is a professional development program designed for students. This is an elective program, and no credit can be awarded for this experience, unless the student has been approved to take academic coursework for flexible credit during this time. To qualify for the **GLE** program, a student must meet the following guidelines:

- The student must have a job, a volunteer position, or have been approved to take coursework for flexible credit during the normal school day.
- The student must be enrolled in at least five (5) courses each semester. If the student also participates in athletic or extra-curricular activities, the student must be passing five (5) courses not including physical education to be academically eligible.
- On days when the high school schedule is altered (two-hour delays, early dismissal days, semester or final exams, etc.), the student is expected to make the necessary arrangements to attend his or her high school classes.
- To participate in the program, the student must complete a guided learning experience application form that is available in the guidance office. **The GLE application process, including counselor approvals and resulting schedule changes, must be completed by the end of the 5th week of the semester.**
Credit Flexibility

The Board recognizes that an effective educational program is one that provides opportunities for students to customize aspects of their learning around their respective needs and interests. Credit flexibility is one method to motivate and increase student learning by allowing access to more resources, customization around individual student needs and the use of multiple measures of learning.

Credit flexibility shifts the focus from “seat time” to performance. Students can earn units of high school credit based on an individually approved credit flexibility plan. The intent of credit flexibility is to meet increased expectations for high school graduation in response to globalization, technology and demographics, and to meet the demand for 21st century skills.

In accordance with State law, Fairborn has developed a credit flexibility plan that enables students to earn high school credit by:

1. completing coursework;
2. testing out or showing mastery of course content;
3. pursuing an educational option and/or an individually approved option and/or
4. any combination of the above.

For more information about flexible credit, contact your guidance counselor.

Program Course Types for Special Populations

Program Course Types for Students with Individual Educational Plan Programs (IEPs)

Individual Education Plans are developed for students with disabilities in the following categories: Autism, Deaf-blindness, Deafness, Hearing Impairment, Emotional Disturbance, Cognitive Disability, Multiple Disabilities, Orthopedic Impairment, Other Health Impaired, Specific Learning Disability, Speech or Language Impairment, Traumatic Brain Injury, Visual Impairment, and Developmental Delay. Programs consist of a combination of general education classes and special education classes to meet student needs. Programs are designed to meet state and local graduation requirements with a special emphasis on attaining skills that lead to employability and independence as an adult. Students with disabilities who participate in general education classes may receive support as needed from Intervention Specialists. These teachers are available to modify and accommodate classroom materials and to provide in-class support. *Students with multiple or severe disabilities will NOT schedule online; they will be scheduled individually by their guidance counselors and teachers.

Essentials Courses: An essentials course is one which emphasizes the same curriculum objectives as a standard course, but covers the curricular material at a slower pace. The curriculum emphasis will concentrate on relating every-day-world applications to the daily learning outcomes. Essentials courses rely heavily on classroom hands-on experiences with special emphasis on visual learning. A major portion of each course is built around the curriculum that supports the Ohio Graduation Test skills. Students experience technological applications as one means of learning the course objectives. Due to the emphasis on in-class learning experiences, good classroom attendance and a positive work ethic (cooperation, positive attitude, and good effort) are expected. Group projects and teamwork experiences are necessary to be successful in this program. Students will be selected for essentials classes based on past academic performance, teacher recommendation and test scores. Students with IEPs should register with the following codes in order to ensure Intervention Specialist support:

Essentials Course Codes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Code</th>
<th>Course</th>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>0952</td>
<td>English 10 Essentials</td>
<td>0965</td>
<td>Geometry Essentials</td>
<td>0951</td>
<td>Reading/ELA</td>
</tr>
<tr>
<td>0954</td>
<td>English 11 Essentials</td>
<td>0968</td>
<td>Integrated Math Essentials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0956</td>
<td>English 12 Essentials</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0971</td>
<td>Biology Essentials</td>
<td>0980</td>
<td>World Studies Essentials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0970</td>
<td>Physical Science Essentials</td>
<td>0981</td>
<td>American Studies Essentials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0969</td>
<td>Earth &amp; Space Essentials</td>
<td>0982</td>
<td>Government Essentials</td>
<td>0983</td>
<td>Sociology Essentials</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0986</td>
<td>Psychology Essentials</td>
<td>0985</td>
<td>Intervention Study Hall</td>
</tr>
</tbody>
</table>

10
Inclusion (Team) Standard Courses: The majority of courses at Fairborn High are designed as standard courses which fulfill both the college prep curriculum and the career-readiness education curriculum. Some standard courses may include the academic support services of an Intervention Specialist. These classes are designated as “inclusion” classes in order to differentiate for IEP-specific modifications. Students with IEPs should register with the following codes in order to ensure Intervention Specialist support:

Inclusion (Team) Course Codes:

1027 English 9 Team
1028 English 10 Team
1035 English 11 Team
1036 English 12 Team
1020 World Studies Team
1021 American Studies Team
1022 Government Team
1023 Algebra I Team
1018 Geometry Team
1037 Integrated Math 111 Team
1038 Integrated Math 211 Team
1026 Biology Team
1025 Physical Science Team
1029 Earth & Space Team
1030 Health-Life Choices Team
1017 Keybdg/Comp Appl Team
1015 Career & Finance Team
1019 Sociology Team
1015 Career & Finance Team

Nondiscrimination on the Basis of Disability
Program Accessibility in all Schools/Facilities

Fairborn City Schools, recognizing that some areas in some schools are inaccessible to individuals with disabilities, adopts the following policy: All meetings, conferences, programs and activities at any Fairborn City School are available, without discrimination, to individuals with disabilities as defined by the Rehabilitation Act of 1973 and/or Title II of the Americans with Disabilities Act. Whenever an individual with a disability wishes to attend or participate in a meeting, conference, program or activity which is inaccessible, that meeting, conference, program or activity will be relocated to an accessible area. Forty-eight hour notice of the need for relocation by the individual with a disability should be made to the Superintendent’s Office. The Superintendent is responsible for implementing this policy by relocating programs.

Program Course Types for Students Identified as Gifted and Talented

Programs for students identified as gifted and talented consist of a combination of general education classes and advanced or enriched classes to meet student needs. Programs are designed to meet state and local graduation requirements with a special emphasis on more rigorous academic study. Skills attained with successful completion of these options are more rigorous and can provide an opportunity to earn post-secondary credit.

Advanced Standard Courses: The majority of courses at Fairborn High are designed as standard courses which fulfill both the college prep curriculum and the career-readiness education curriculum. Some standard courses are designated as “advanced” to differentiate the increased expectations in the areas of reading and writing, mathematical competency, homework, creativity, self-discipline, and expanded contextual materials. Advanced standard courses may have more rigorous prerequisite requirements for enrollment. These courses operate under the standard FHS grading scale with no honors points awarded. Advanced course codes are listed in the Program of Study by department.

Honors Courses: Honors courses are enriched and offer acceleration beyond the ordinary high school standard course. Honors courses require greater expectation of classroom participation and interaction, more in-depth coverage of the curriculum objectives, additional homework, greater project responsibility on the part of the student, and in some cases summer assignments. A weighted honors grade (H) may be earned in an honors course. Honors courses expect a greater volume of reading and writing as well as a component of independent study. Honors course codes are listed in the Program of Study by department.

Advanced Placement–Honors Courses: The Advanced Placement Program is sponsored by the College Board, a non-profit membership organization that contracts with the Educational Testing Service (ETS). The Advanced Placement Program (AP) gives students an opportunity to experience college-level courses and exams while they are still in high school; students may earn college credit, accelerated placement, or both for college when they take the exams associated with the course. University credit and accelerated placement are awarded by the college or university, not by the College Board, AP Program, or Fairborn High School. College and university policies regarding AP grades vary. Students seeking college credit through AP should obtain the college’s AP policy in writing, or look for it on the institution’s web site. A weighted honors grade (H) may be earned for the high school credit associated with an AP-Honors course. AP course codes are listed in the Program of Study by department.
Scheduling Policies and Procedures

Auditing Courses

All courses must be taken for credit; auditing of courses is not permitted.

Retaking Courses

Students have the option to retake classes and have their lowest mark removed from the cumulative GPA calculation. A record of each separate enrollment of a course will be maintained (along with the earned mark) on the student’s official transcript; however, the lowest-scoring mark will not be calculated into the final cumulative GPA. Please contact your counselor with any questions about which courses are eligible for retakes.

Schedule Changes

All staffing decisions for the following year are based on the number of students selecting each course; therefore, students and their parents or guardians are expected to carefully and accurately make scheduling decisions. Counselors have the responsibility to make schedule change decisions that are in the best interests of students. Any adjustment in a student’s schedule will be handled on an individual basis. Students who wish to drop a class must first confer with the teachers involved and then the guidance counselor. The acceptable reasons for changes are:

<table>
<thead>
<tr>
<th>Acceptable Reasons for Course Changes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Course changes must be completed by the third school day of the course.)</td>
</tr>
<tr>
<td>1.) Student’s initially requested courses conflict or are not being offered</td>
</tr>
<tr>
<td>2.) Post Secondary Enrollment Options conflict with schedule</td>
</tr>
<tr>
<td>3.) Student has not completed the prerequisite(s) for the course scheduled</td>
</tr>
<tr>
<td>4.) Student has passed or failed a summer school course</td>
</tr>
<tr>
<td>5.) Student needs a specific course for graduation</td>
</tr>
<tr>
<td>6.) Student has medical reasons documented by a physician</td>
</tr>
<tr>
<td>7.) Other reason not listed above – submitted with a written rationale</td>
</tr>
</tbody>
</table>

* Students must be enrolled in at least 6 academic courses per semester.

Adding Courses

Courses must be added by the third school day of the course. Students who wish to drop a study hall to add a course may do so only if there is no disruption to the rest of the schedule and there is space available in the class the student wishes to add.

Dropping Courses

1. Courses dropped before the end of the fifth week of the first grading period of the course will be deleted from the permanent record.
2. Courses dropped after the end of the fifth week of the first grading period of the course will be recorded as a W/F (withdraw/failure) on the permanent record.
3. No course may be dropped at any time if the student has a scheduled study hall within that semester. Students are limited to one (1) study hall per semester.
4. If a student is removed from a class for alternate placement by the administration, then the course will be recorded as W/F, and a written statement as to the reason will be placed in the student's permanent record file.
Scheduling Process for Baker Middle School 8th Graders and Newly Enrolled FHS Students

Fairborn Baker eighth-graders will make their course requests at Baker with the help of their counselors and the FHS counselors after a class-wide meeting. A scheduling meeting for parents is also held in the evening, typically in February or early March. Contact your counselor if you have any questions about your course options. Students in grades 8 through 11 who enroll in Fairborn City Schools between the months of March and August should schedule an appointment with their counselor to request courses for the following year. For summer enrollments, please be sure to select alternate course requests should your first choices be closed; enrolling earlier in the summer improves the students’ chances to get into the classes they would prefer.

Scheduling Process for Current FHS Students

Step 1: Login to the online scheduling system using the step-by-step instructions handout and your Account Information Letter that contains your username and password. Students are given both of these documents along with other scheduling materials in their homeroom classes. Be sure to have this Program of Study on hand also when you login because you will need the course codes listed on the following pages. NOTE: If you have lost your Account Information Letter, please contact your counselor right away to get that information.

Step 2: Enter your 2011-2012 course requests into the online system.

Step 3: For each elective course you have requested, enter an alternate course request in case your first choice cannot be scheduled for you for some reason. By entering an alternate course for each elective, you can be scheduled into a class that you would like to have if you are closed out of your first choice, or if it creates a conflict in your schedule. Students who enter alternate courses in the online system are more likely to get a "good" schedule.

Step 4: Once you have finalized all of your course requests and alternate course requests, then you will submit your requests and log out of the system. At this point, your course registration for 2011-2012 is complete. Your counselor will contact you later in the spring to confirm your requests and to make sure that you are on target to meet all of the enrollment prerequisites for each course. In the spring and early summer, counselors will make course request adjustments for you should you fail to meet the enrollment criteria for a course by the end of the 2010-2011 school year.
### Course Offerings

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Course #</th>
<th>Credit</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 10 11 12</td>
<td>0051 1</td>
<td>1</td>
<td>17</td>
</tr>
<tr>
<td>9 10 11 12</td>
<td>0052 1</td>
<td>1</td>
<td>17</td>
</tr>
<tr>
<td>11 12</td>
<td>0053 1</td>
<td>1</td>
<td>17</td>
</tr>
<tr>
<td>12</td>
<td>0054 1</td>
<td>1</td>
<td>17</td>
</tr>
</tbody>
</table>

**Aerospace Science (Air Force JROTC)**

- **Aerospace Science I**: Credit: 1, Page: 17
- **Aerospace Science II**: Credit: 1, Page: 17
- **Aerospace Science III**: Credit: 1, Page: 17
- **Aerospace Science IV**: Credit: 1, Page: 17

**Art**

- **Advanced Drawing**: Credit: ½, Page: 18
- **Advanced Ideas in Clay**: Credit: ½, Page: 19
- **Advanced Painting**: Credit: ½, Page: 19
- **Advanced Sculpture**: Credit: ½, Page: 20
- **Alternative Painting Methods**: Credit: ½, Page: 18
- **Basic Ceramics**: Credit: ½, Page: 19
- **Communicating Beliefs through Sculpture**: Credit: ½, Page: 19
- **Digital Imaging**: Credit: ½, Page: 20
- **Digital Media Techniques**: Credit: ½, Page: 20
- **Digital Video/Animation**: Credit: ½, Page: 20
- **Drawing**: Credit: ½, Page: 18
- **Expressive Ceramics & Glazes**: Credit: ½, Page: 19
- **Graphic Arts**: Credit: ½, Page: 18
- **Introduction to Art**: Credit: ½, Page: 18
- **Mixed Media Drawing**: Credit: ½, Page: 18
- **Painting Techniques**: Credit: ½, Page: 18
- **Sculpture Basics**: Credit: ½, Page: 19
- **Textiles and Fibers I**: Credit: ½, Page: 19
- **Textiles and Fibers II**: Credit: ½, Page: 19
- **Textiles and Fibers III**: Credit: ½, Page: 19
- **Visual Arts Advanced Study**: Credit: varies, Page: 20

**Biomedical Sciences**

- **Human Body Systems**: Credit: 1, Page: 21
- **Medical Interventions**: Credit: 1, Page: 21
- **Principles of Biomedical Sciences**: Credit: 1, Page: 21

**Business**

- **Accounting I**: Credit: 1, Page: 22
- **Career & Finance**: Credit: ½, Page: 22
- **Consumer Education**: Credit: ½, Page: 22
- **Desktop Publishing**: Credit: ½, Page: 22
- **Introduction to Business**: Credit: 1, Page: 21
- **Keyboarding/Computer Applications**: Credit: ½, Page: 22
- **Practical Business Skills**: Credit: ½, Page: 21
- **Word-Excel-PowerPoint**: Credit: ½, Page: 22

**Engineering – Pathway to Engineering**

- **Digital Electronics (DE)**: Credit: 1, Page: 23
- **Introduction to Engineering Design (IED)**: Credit: 1, Page: 23
- **Principles of Engineering (POE)**: Credit: 1, Page: 23

**Engineering Technology – Tech Prep**

- **Engineering Technology I**: Credit: 2, Page: 24
- **Engineering Technology II**: Credit: 2, Page: 24
- **Technology Action Lab**: Credit: ½, Page: 23
## Course Offerings

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Course #</th>
<th>Credit</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creative Writing</td>
<td>11 12</td>
<td>0250</td>
<td>½</td>
</tr>
<tr>
<td>Drama</td>
<td>11 12</td>
<td>0231</td>
<td>½</td>
</tr>
<tr>
<td>English 9</td>
<td>9</td>
<td>0203</td>
<td>1</td>
</tr>
<tr>
<td>English 9 – Honors</td>
<td>9</td>
<td>0202</td>
<td>1</td>
</tr>
<tr>
<td>English 10</td>
<td>10</td>
<td>0205</td>
<td>1</td>
</tr>
<tr>
<td>English 10 – Honors</td>
<td>10</td>
<td>0204</td>
<td>1</td>
</tr>
<tr>
<td>English 11</td>
<td>11 12</td>
<td>0271</td>
<td>1</td>
</tr>
<tr>
<td>English 12</td>
<td>11 12</td>
<td>0281</td>
<td>1</td>
</tr>
<tr>
<td>English for the Limited English Proficient</td>
<td>9 10 11 12</td>
<td>0260</td>
<td>1</td>
</tr>
<tr>
<td>Language &amp; Composition – Honors – AP</td>
<td>11 12</td>
<td>0294</td>
<td>1</td>
</tr>
<tr>
<td>Literature &amp; Composition–Honors–AP</td>
<td>11 12</td>
<td>0295</td>
<td>1</td>
</tr>
<tr>
<td>Science Fiction</td>
<td>11 12</td>
<td>0265</td>
<td>½</td>
</tr>
<tr>
<td>Speech</td>
<td>11 12</td>
<td>0221</td>
<td>½</td>
</tr>
</tbody>
</table>

### Focus Classes

| Focus Leadership | 11 12 | FL | ½ | 26 |
| Freshman Focus | 9 | FF | ½ | 26 |

### Foreign Language

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Course #</th>
<th>Credit</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese II</td>
<td>10 11 12</td>
<td>0322</td>
<td>1</td>
</tr>
<tr>
<td>Chinese III</td>
<td>11 12</td>
<td>0323</td>
<td>1</td>
</tr>
<tr>
<td>French I</td>
<td>9 10 11 12</td>
<td>0311</td>
<td>1</td>
</tr>
<tr>
<td>French II</td>
<td>10 11 12</td>
<td>0312</td>
<td>1</td>
</tr>
<tr>
<td>French III – Honors</td>
<td>11 12</td>
<td>0313</td>
<td>1</td>
</tr>
<tr>
<td>French IV – Honors</td>
<td>12</td>
<td>0314</td>
<td>1</td>
</tr>
<tr>
<td>Spanish I</td>
<td>9 10 11 12</td>
<td>0331</td>
<td>1</td>
</tr>
<tr>
<td>Spanish II</td>
<td>10 11 12</td>
<td>0332</td>
<td>1</td>
</tr>
<tr>
<td>Spanish III – Honors</td>
<td>11 12</td>
<td>0333</td>
<td>1</td>
</tr>
<tr>
<td>Spanish IV – Honors</td>
<td>12</td>
<td>0334</td>
<td>1</td>
</tr>
</tbody>
</table>

### Health and Physical Education

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Course #</th>
<th>Credit</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Competitive Team Sports</td>
<td>11 12</td>
<td>0725</td>
<td>½</td>
</tr>
<tr>
<td>Health – Life Choices</td>
<td>9 10 11 12</td>
<td>0707</td>
<td>½</td>
</tr>
<tr>
<td>Health – The Human Body</td>
<td>9 10 11 12</td>
<td>0708</td>
<td>½</td>
</tr>
<tr>
<td>Life &amp; Leisure Activities</td>
<td>9 10 11 12</td>
<td>0721</td>
<td>¼</td>
</tr>
<tr>
<td>Life Sports</td>
<td>9 10 11 12</td>
<td>0722</td>
<td>¼</td>
</tr>
<tr>
<td>Personal Fitness</td>
<td>9 10 11 12</td>
<td>0723</td>
<td>¼</td>
</tr>
<tr>
<td>Physical Education Option</td>
<td>9 10 11 12</td>
<td>0702</td>
<td>¼</td>
</tr>
<tr>
<td>Physical Education Survey (PES)</td>
<td>9 10 11 12</td>
<td>0720</td>
<td>¼</td>
</tr>
<tr>
<td>Team Sports</td>
<td>9 10 11 12</td>
<td>0724</td>
<td>¼</td>
</tr>
</tbody>
</table>

### Home Economics

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Course #</th>
<th>Credit</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRADS I (semester 1)</td>
<td>9 10 11 12</td>
<td>0360</td>
<td>½</td>
</tr>
<tr>
<td>GRADS II (semester 2)</td>
<td>9 10 11 12</td>
<td>0361</td>
<td>½</td>
</tr>
<tr>
<td>Human Development I</td>
<td>9 10 11 12</td>
<td>0357</td>
<td>½</td>
</tr>
<tr>
<td>Human Development II</td>
<td>9 10 11 12</td>
<td>0359</td>
<td>½</td>
</tr>
<tr>
<td>Nutrition and Basic Culinary Skills</td>
<td>9 10 11 12</td>
<td>0350</td>
<td>½</td>
</tr>
</tbody>
</table>

### Mathematics

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Course #</th>
<th>Credit</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Algebra I</td>
<td>9</td>
<td>0522</td>
<td>1</td>
</tr>
<tr>
<td>Advanced Geometry</td>
<td>9 10</td>
<td>0532</td>
<td>1</td>
</tr>
<tr>
<td>Algebra I</td>
<td>9 10</td>
<td>0521</td>
<td>1</td>
</tr>
<tr>
<td>Algebra II</td>
<td>9 10 11 12</td>
<td>0524</td>
<td>1</td>
</tr>
<tr>
<td>Algebra II – Honors</td>
<td>9 10 11 12</td>
<td>0525</td>
<td>1</td>
</tr>
<tr>
<td>Calculus – Honors</td>
<td>11 12</td>
<td>0544</td>
<td>½</td>
</tr>
<tr>
<td>Course Offerings</td>
<td>Grade Level</td>
<td>Course #</td>
<td>Credit</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------</td>
<td>----------</td>
<td>--------</td>
</tr>
<tr>
<td><strong>Mathematics (continued)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculus AB – Honors – Advanced Placement</td>
<td>11 12</td>
<td>0545</td>
<td>1</td>
</tr>
<tr>
<td>Geometry</td>
<td>9 10 11</td>
<td>0531</td>
<td>1</td>
</tr>
<tr>
<td>Integrated Math 111</td>
<td>11 12</td>
<td>0546</td>
<td>½</td>
</tr>
<tr>
<td>Integrated Math 211</td>
<td>11 12</td>
<td>0547</td>
<td>½</td>
</tr>
<tr>
<td>Pre-Calculus</td>
<td>10 11 12</td>
<td>0542</td>
<td>1</td>
</tr>
<tr>
<td>Pre-Calculus – Honors</td>
<td>10 11 12</td>
<td>0543</td>
<td>1</td>
</tr>
<tr>
<td>Probability and Statistics</td>
<td>9 10 11 12</td>
<td>0540</td>
<td>½</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>11 12</td>
<td>0548</td>
<td>½</td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A Cappella Choir</td>
<td>10 11 12</td>
<td>0603</td>
<td>1</td>
</tr>
<tr>
<td>Chamber Orchestra</td>
<td>9 10 11 12</td>
<td>0609</td>
<td>1</td>
</tr>
<tr>
<td>Choral Union</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concert Band</td>
<td>9 10 11 12</td>
<td>0604</td>
<td>1</td>
</tr>
<tr>
<td>Concert Choir</td>
<td>10 11 12</td>
<td>0602</td>
<td>1</td>
</tr>
<tr>
<td>Jazz Improvisation/Rock Ensemble</td>
<td>9 10 11 12</td>
<td>0615</td>
<td>1</td>
</tr>
<tr>
<td>Music Theory I</td>
<td>9 10 11 12</td>
<td>0611</td>
<td>½</td>
</tr>
<tr>
<td>Music Theory II</td>
<td>9 10 11 12</td>
<td>0613</td>
<td>½</td>
</tr>
<tr>
<td>Symphonic Orchestra</td>
<td>9 10 11 12</td>
<td>0610</td>
<td>1</td>
</tr>
<tr>
<td>Symphonic Winds</td>
<td>9 10 11 12</td>
<td>0608</td>
<td>1</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Biology I</td>
<td>9</td>
<td>0831</td>
<td>1</td>
</tr>
<tr>
<td>Biology I</td>
<td>9 10</td>
<td>0833</td>
<td>1</td>
</tr>
<tr>
<td>Biology II – Honors – Advanced Placement</td>
<td>11 12</td>
<td>0832</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry I – Honors</td>
<td>10 11 12</td>
<td>0841</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry II – Honors – Advanced Placement</td>
<td>11 12</td>
<td>0834</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry and Society</td>
<td>10 11 12</td>
<td>0840</td>
<td>1</td>
</tr>
<tr>
<td>Conceptual Physics</td>
<td>11 12</td>
<td>0843</td>
<td>1</td>
</tr>
<tr>
<td>Earth and Space Science</td>
<td>11 12</td>
<td>0846</td>
<td>1</td>
</tr>
<tr>
<td>Integrated Physical Science</td>
<td>10 11</td>
<td>0810</td>
<td>1</td>
</tr>
<tr>
<td>Physics – Honors</td>
<td>11 12</td>
<td>0842</td>
<td>1</td>
</tr>
<tr>
<td>Physics – Honors – Advanced Placement</td>
<td>11 12</td>
<td>0844</td>
<td>2</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>10 11</td>
<td>0855</td>
<td>1</td>
</tr>
<tr>
<td>American Studies – Honors</td>
<td>10 11</td>
<td>0856</td>
<td>1</td>
</tr>
<tr>
<td>Economics – Honors</td>
<td>11 12</td>
<td>0872</td>
<td>½</td>
</tr>
<tr>
<td>Government</td>
<td>11 12</td>
<td>0891</td>
<td>½</td>
</tr>
<tr>
<td>Government – Honors – Advanced Placement</td>
<td>11 12</td>
<td>0888</td>
<td>1</td>
</tr>
<tr>
<td>Psychology</td>
<td>11 12</td>
<td>0870</td>
<td>½</td>
</tr>
<tr>
<td>Sociology</td>
<td>11 12</td>
<td>0871</td>
<td>½</td>
</tr>
<tr>
<td>World Affairs – Honors</td>
<td>11 12</td>
<td>0885</td>
<td>½</td>
</tr>
<tr>
<td>World History – Honors – Adv. Placement</td>
<td>11 12</td>
<td>0887</td>
<td>1</td>
</tr>
<tr>
<td>World Studies</td>
<td>9 10</td>
<td>0854</td>
<td>1</td>
</tr>
<tr>
<td><strong>Unified Arts</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Law Enforcement</td>
<td>11 12</td>
<td>0061</td>
<td>½</td>
</tr>
<tr>
<td>Newspaper I</td>
<td>11 12</td>
<td>0240</td>
<td>1</td>
</tr>
<tr>
<td>Newspaper II</td>
<td>12</td>
<td>0241</td>
<td>1</td>
</tr>
<tr>
<td>Yearbook I</td>
<td>10 11 12</td>
<td>0242</td>
<td>1</td>
</tr>
<tr>
<td>Yearbook II</td>
<td>11 12</td>
<td>0243</td>
<td>1</td>
</tr>
</tbody>
</table>
Aerospace Science – Air Force JROTC

The Air Force Junior ROTC program provides citizenship training and an aerospace science program for high school youth. Enrollment in the AFJROTC program is open to all young people who are in grades above the 8th grade, physically fit, and United States citizens. Retired Air Force commissioned and noncommissioned officers who are full-time faculty members and employed by Fairborn City Schools teach AFJROTC classes.

Cadets receive credit toward high school graduation by successfully passing these AFJROTC Aerospace Science classes which include the study of the history of aviation, cultural studies of six world regions, the science of flight, space exploration, astronomy, survival and management. In addition, Leadership Education offers students many opportunities to shape their character as they learn about character development through character-building topics. Elements of good citizenship are instilled in students as they are introduced to the Air Force organizational structure, uniform wear, military customs and courtesies, flag etiquette, citizenship in the United States, first aid, health and wellness, fitness, individual self-control, basic drill and ceremonies, effective communications. They practice the arts of listening and thinking critically, preparing for leadership, building personal awareness, building and encouraging effective teams, key behaviors for becoming a credible and competent leader, the importance of charting a career path, specific career options, how to create a personal budget and financial plan, how to write a resume, how to interview for a job, how to apply for college, the importance of management, making decisions, and problem solving, human relations and life skills. Wellness is an official part of the program whereby physical exercise focused upon individual base line improvements is used to motivate cadets to lead active, healthy lifestyles beyond high school and into their adult lives.

Air Force uniforms are furnished free, on a loan basis, and are required to be worn one day a week, on field trips, and on other special occasions. Also, students are expected to maintain the Air Force grooming standards.

Each course will contain a contact time blend of approximately 40% Aerospace Science material, 40% Leadership Education, and 20% Wellness instruction.

0051 Aerospace Science I - 1 credit  Course Fee: $25.00
Prerequisites: None
This is the first Aerospace Science course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries, beginning with ancient civilizations, then progresses through time to modern day. Leadership Education and Wellness introduces cadets to the Air Force Junior ROTC program, providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship.

0052 Aerospace Science II - 1 credit  Course Fee: $25.00
Prerequisite: Aerospace Science I or Instructor’s permission
This course is designed to follow the topics learned in Aerospace Science I and is more science-oriented, acquainting the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Leadership Education and Wellness stress communications skills and cadet corps activities, with information provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development.

0053 Aerospace Science III - 1 credit  Course Fee: $25.00
Prerequisite: Aerospace Science II or concurrent enrollment in Aerospace Science II with Instructor’s permission
This course examines the Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned spaceflight issues. Leadership Education and Wellness will continue, assisting students in their decisions about schooling/career paths to take after high school.

0054 Aerospace Science IV - 1 credit  Course Fee: $25.00
Prerequisites: Enrollment by Instructor Recommendation only; Aerospace Science III or concurrent enrollment in Aerospace Science III
This course is structured to the individual needs of selected students. Emphasis is placed on developing leadership abilities. Students are rotated into high-level group staff positions and required to demonstrate management techniques. Course material is selected from professional journals, texts, or periodicals on the subjects of aviation, space, and leadership.
Art

The art program is designed to provide a broad general background in visual art and offer opportunities to pursue areas of special interest. Students should take only one studio art course per semester. Students who are planning for a career in an art field should contact one of the art instructors for assistance in planning their overall program of study. The art instructors can also provide direction and assistance to students who are preparing portfolios for art-related college entrance requirements.

0100 Introduction to Art - ½ credit  
Course Fee: $25.00  
Prerequisite: none

This introductory course helps students develop an understanding of the visual language of art. Emphasis is placed on creative visual thinking, development of the art form, and personal expression. Students will study a variety of artists and use a variety of art materials and techniques. Students will use drawing and painting activities to explore art cultures and artists.

0118 Graphic Arts - ½ credit  
Course Fee: $25.00  
Prerequisite: none

This course is intended as an introductory survey class in graphic design. The class covers basic concepts of design and applies them to the area of visual communication. Black and white photography also is covered. Students will take photos in selected categories, process film, and print photos using the equipment available. Students will gain experience using different processes of printmaking and studying the advertising culture and its trade artists.

0107 Drawing - ½ credit  
Course Fee: $25.00  
Prerequisite: none

This course is for those students who wish to learn basic skills in drawing. Areas of study will include drawing from observation such as: still life, landscape, figure study, and portrait drawing. Media will include pencil, charcoal, ink, and pastels. Emphasis will be placed on experimenting with techniques, media, and style.

0108 Mixed Media Drawing - ½ credit  
Course Fee: $22.00  
Prerequisite: Drawing

Mixed Media Drawing students will be expected to have mastered basic drawing skills and techniques. Students will work with a variety of drawing techniques, media, and concepts. Students will begin working on their portfolios for art school admission and scholarship competition.

0109 Advanced Drawing - ½ credit  
Course Fee: $22.00  
Prerequisite: Mixed Media Drawing

Advanced Drawing III is for advanced art students only. Students will complete high-quality work in one concentrated area of their choice. Students will complete their portfolios for art school admission and scholarship competition.

0110 Painting Techniques - ½ credit  
Course Fee: $25.00  
Prerequisite: none

In this introductory painting class, students will explore acrylic and watercolor techniques and learn about various painting materials. Studio activities will emphasize color relationships and theory as applied to painting still life, figures, portraits, landscapes, and abstraction. Students will develop original ideas for expression, learn basic painting techniques, and compare famous painters and their work.

0111 Alternative Painting Methods - ½ credit  
Course Fee: $35.00  
Prerequisite: Painting Techniques

Alternative Painting Methods students will be concerned with selecting and specializing in one or two areas of subject matter, such as still life, human figures, portraits, landscapes, animals, etc. Emphasis will be placed on exploring various techniques in various media and becoming technically proficient. Students will complete a full study of at least one famous artist.
**0112 Advanced Painting** - ½ credit  
Course Fee: $30.00  
Prerequisite: *Alternative Painting Methods*

Advanced Painting students will explore various historical styles of expression, such as impressionism, surrealism, abstraction, and non-objective. Emphasis will be placed upon applying cumulative awareness of personal interests, painting techniques, and style preferences. Students will develop individual styles of expression.

**0101 Textiles and Fibers I** - ½ credit  
Course Fee: $22.00  
Prerequisite: none

This is an introductory class that includes a wide variety of techniques including weaving, paper making, and quilting. Emphasis will be placed upon creating decorative objects that may be used for wearing apparel or home decorations.

**0102 Textiles and Fibers II** - ½ credit  
Course Fee: $22.00  
Prerequisite: *Textiles and Fibers I*

Students will explore more advanced processes of learned in Textiles and Fibers I, as well as more in-depth concepts in jewelry. Emphasis will be placed on functional and decorative design and on craftsmanship.

**0103 Textiles and Fibers III** - ½ credit  
Course Fee: $22.00  
Prerequisite: *Textiles and Fibers II*

Textiles and Fibers III is for serious students who are willing to do in-depth research and experimentation with fiber and textile media. Emphasis will be placed on independent experimentation and the development of craftsmanship leading to a well-designed and well-made end product.

**0104 Basic Ceramics** - ½ credit  
Course Fee: $25.00  
Prerequisite: none

This is a studio class with clay as the medium. Students are introduced to the history, science, and construction methods of clay and the basic methods of clay. Students will interlink the cultural and historic aspect of clay while creating art. Students are expected to learn all the basic techniques of clay construction. Students will be encouraged to develop clay forms of self-expression.

**0105 Expressive Ceramics & Glazes** - ½ credit  
Course Fee: $25.00  
Prerequisite: *Basic Ceramics*

This is a studio class with clay and glaze as the medium. Students will continue working in the areas they explored in Basic Ceramics, such as slab, coil, molds, and wheel throwing. Students will experience new clay processes, glazes, and alternative firing techniques. Students will work from complex ideas and Artisan examples.

**0106 Advanced Ideas in Clay** - ½ credit  
Course Fee: $25.00  
Prerequisite: *Expr. Ceramics & Glazes*

This is a studio class where students will continue working with clay and glazes. Students will develop skills in their own areas of interest, such as wheel throwing, hand building, and/or slab construction. Students will experiment with the chemistry of glaze making. Students are expected to use artistic expression and masterful techniques to create ceramic pieces for public display.

**0113 Sculpture Basics** - ½ credit  
Course Fee: $22.00  
Prerequisite: none

Three-dimensional form will be studied in a variety of materials including paper, plaster, wire, metals, and plastic. Emphasis will be placed on developing original ideas and selecting the most effective techniques to express them in 3-D. The history and culture of sculpture and the works of various sculptors will be studied.

**0114 Communicating Beliefs through Sculpture** - ½ credit  
Course Fee: $22.00  
Prerequisite: *Sculpture Basics*

This course consists of the study of three-dimensional form using a limited number of materials. The materials are to be selected based on the students’ experiences in Sculpture Basics. A minimum of two materials is to be used. Emphasis will be placed on the students’ originality and the comparison of their work in relation to the history and current trends of the media in which they are working. Students will complete a full study of a famous sculptor.
**Advanced Sculpture** - ½ credit  
Course Fee: $22.00  
Prerequisite: *Communicating Beliefs through Sculpture*  
This course is based on students solving three-dimensional problems using materials based on the experience in *Communicating Beliefs through Sculpture*. Emphasis will be placed on defining 3-D problems and creating new projects from familiar materials. Student work will be created for public display.

**Digital Imaging** – ½ credit  
Course Fee: $25.00  
Prerequisite: none  
This project-based course will give students a basic knowledge of the visual tools that are used to create digital images/illustrations. Studying the principles and elements of art, they will express their creative vision by composing various forms of digital imagery. *Digital Imaging* focuses on beginning-level concepts including photo manipulation, digital photography, photo editing, computer-generated graphics, desktop publishing, and digital illustration. **Students may be required to supply their own digital camera.**

**Digital Video/Animation** – ½ credit  
Course Fee: $25.00  
Prerequisite: none  
This project-based course will give students a basic knowledge of the visual tools that are used to create digital images/animations. The focus is on beginning-level concepts including digital video recording/editing, advertising, basic animation, and producing a television program using studio production equipment. **Students may be required to supply their own digital camera capable of capturing video clips.**

**Digital Media Techniques** – ½ credit  
Course Fee: $25.00  
Prerequisites: *Digital Imaging* and *Digital Video/Animation*  
This intermediate-level course will build upon the concepts learned in *Digital Imaging* and *Digital Video/Animation* and explore basic web page design. Students will be introduced to and explore professional careers opportunities in the digital media field. **Students may be required to supply their own digital camera capable of capturing video clips.**

**Visual Arts Advanced Study** - ¼ credit  
Course Fee: varies depending upon equipment and supplies needed. Students may be required to supply their own materials and/or equipment.  
Prerequisites: Junior or Senior standing; successful completion of all standard courses offered within the art discipline requested; application approval; course schedule availability  
*Visual Arts Advanced Study* is an independent study option open to those students that have completed and passed any cycle of a single art discipline. (For example, a student could apply for admission into *Visual Arts Survey for Drawing*, provided that he/she completed and passed *Drawing, Mixed Media Drawing, and Advanced Drawing*.) Students must submit a course application with a written proposal outlining the discipline study and purpose. Students must have the approval of the art teacher(s) within the discipline and the student must be able to schedule the course during an existing course within the discipline in the 2011-2012 school year or a time otherwise approved by the instructor.

**Biomedical Sciences**  
This program follows PLTW’s proven commitment to educational improvement by combining a rigorous and relevant curriculum with project- and problem-based instruction and experiences. The sequence of high school courses in the biomedical sciences program parallels the proven PTLW engineering curriculum. The initial *PTLW Biomedical Sciences* program includes four courses, all aligned with appropriate national learning standards: *Principles of Biomedical Sciences, Human Body Systems, Medical Interventions, and Science Research*. NOTE: Concurrent enrollment in *Principals of Biomedical Science* and *Human Body Systems* is permitted only with teacher recommendation and counselor approval.
**0410  Principles of Biomedical Science** – 1 credit  
Lab Fees: $35.00  
Prerequisite: Concurrent enrollment in college-preparatory English and mathematics  
This is the first course in the *PTLW Pathway to Biomedical Sciences* series. Students explore the concepts of human medicine and are introduced to research processes and to bioinformatics. Hands-on projects enable students to investigate human body systems, various health conditions, and infectious diseases. Students will work collaboratively to determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person’s life. The course is designed to provide an overview of all of the courses in the *Biomedical Sciences* program and to lay the scientific foundation necessary for success in the subsequent courses. Engineering principles are also incorporated where appropriate. These include the design process, feedback loops, fluid dynamics, and the relationship of structure to function. *This course is classified as a general elective course.*

**0411  Human Body Systems** – 1 credit  
Lab Fee: $35.00  
Prerequisite: *Principles of Biomedical Science*, and concurrent enrollment in college-preparatory English and mathematics  
This is the second course in the *PTLW Pathway to Biomedical Sciences* series. Students examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Using real-world cases, students take the role of biomedical professionals and work together to solve medical mysteries. Hands-on projects include designing experiments, investigating the structures and functions of body systems, and functions. Important concepts covered include communication, transport of substances, locomotion, metabolic processes defense, and protection. *This course is classified as a biological sciences course.*

**0412  Medical Interventions** – 1 credit  
Lab Fee: $35.00  
Prerequisite: *Human Body Systems*, and concurrent enrollment in college-preparatory English and mathematics  
This is the third course in the *PTLW Pathway to Biomedical Sciences* series. Students investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. Students will explore how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose, and treat cancer; and how to prevail when the organs of the body begin to fail. Students will also learn the important roles scientific thinking and engineering design play in the development of interventions of the future. *This course is classified as a biological sciences course.*

**Business**

**0150  Introduction to Business** – 1 credit  
Course Fee: none  
Prerequisite: none  
*This course is recommended for freshmen and sophomores.* It is structured so that students will gain an understanding of the business and economic factors that affect their everyday lives. Topics include supply and demand, economic systems, wants and needs, global economy, advertising and marketing, business management, technological advances, and types of businesses and types of insurances.

**0151  Practical Business Skills** – ½ credit  
Course Fee: none  
Prerequisite: none  
This course is a basic business course that gives the students an understanding of business procedures. Students will learn how to prepare a variety of financial records. Students will become familiar with business banking procedures, sales and cashier records, petty cash, inventory, payroll, various types of taxes, and basic accounting. This course includes a project on developing a product, packaging, pricing, and marketing the product.
0152  **Accounting I** - 1 credit  
Course Fee: Cost of Workbook and Practice Set  
Prerequisite: *Practical Business Skills or Algebra I*

This is an introductory course in accounting. Accounting concepts including balance sheets and income statements and accounting practices including journalizing, posting, and all phases of the accounting cycle are studied. This course is designed for students who wish to continue their education in a business-related subject or accounting. It is highly recommended for college-bound business students. The intensive course content requires good daily attendance and additional work outside of class.

0159  **Keyboarding/Computer Applications** - ½ credit  
Course Fee: none  
Prerequisite: none

This course teaches students touch-typing skills. Microsoft Word, Microtype, and keyboarding/computer applications software are used. Students will learn to correctly format personal and business letters, enumerations, outlines, tables, business reports, and a complete research paper including title page, table of contents, references, and works cited. Speed and accuracy are integral parts of this course. Proper typing technique will also be emphasized.

0160  **Desktop Publishing** - ½ credit  
Course Fee: none  
Prerequisite: *Keyboarding/Comp.Appl.*

This course is a continuation of *Keyboarding/Computer Applications*. Students will learn advanced formatting techniques using Microsoft Word and Microsoft Publisher. They also will gain experience using graphics and designing newsletters, flyers, menus, product covers, business cards, brochures and/or similar marketing-oriented documents. This course will continue to emphasize the development of acquired keyboarding speed and accuracy skills. Students will be required to design and complete individual projects.

0161  **Word-Excel-PowerPoint** - ½ credit  
Course Fee: none  
Prerequisite: *Keyboarding/Comp. Appl*

This course is designed to help students gain expertise in three professional-quality programs: Word (a document program), PowerPoint (a presentation program), and Excel (a spreadsheet program). Students will develop advanced Word skills including outlines, tables, research papers, mail merges, columns, tabs, and formatting techniques. Students will also develop PowerPoint skills in slide transitions, animation, graphics, digital photography, and many other techniques to be included in slide designs and shows. Students also will develop skills in Excel including formulas, functions, charting, and formatting values and fields. This course will continue to emphasize the development of acquired keyboarding skills. Students will be required to design and complete individual projects.

0165  **Career & Finance** - ½ credit  
Course Fee: none  
Prerequisite: Junior or Senior status

*This course is a graduation requirement and is open only to juniors and seniors.* Students will explore numerous aspects of careers, identify employability skills and behaviors, develop decision-making and goal-setting skills, complete self-assessments, and plan for post-secondary education. Students will be required to complete a résumé, career narrative, and SCANS employability skills inventory. Students will also learn personal finance skills, including budgeting, renting, credit, banking, buying a car, paychecks, taxes and different types of insurances. The course includes resource speakers from various career disciplines, military, and educational institutions.

0158  **Consumer Education** - ½ credit  
Course Fee: none  
Prerequisite: none

*This is recommended for juniors and seniors.* It is designed for students to develop knowledge of basic consumer values that will help students evaluate goods and services intelligently. Students will learn about consumer law, planning a vacation, making wise buying choices, buying vs. leasing a car, and buying vs. renting a house/apartment/condo. Students will also develop skills to help make intelligent decisions about the stock market, medical, health and life insurances and different government services.
Engineering

The PTLW Pathway to Engineering program features 3 tiers that include Foundation Courses (Introduction to Engineering Design, Principles of Engineering, and Digital Electronics), Specialization Courses (Aerospace Engineering, Biotechnical Engineering, Civil Engineering & Architecture, and Computer Integrated Manufacturing), and a Capstone course (Engineering Design and Development) completed in the Senior Year. Transferrable college credit may be earned following the completion of four courses in the series.

0430  **Introduction to Engineering Design (IED)** – 1 credit  Lab Fee: $35.00
Prerequisite: Concurrent enrollment in college preparatory mathematics and science. **IED** teaches problem-solving skills using a design development process. Students will learn how to use Autodesk CAD Inventor, a state of the art computer-aided-design software package. Students are exposed to different types of engineering drawings and will learn how to use a systematic design process. Each quarter students will complete projects that incorporate CAD and design skills: designing a puzzle cube, creating CAD drawings of toy trains, reengineering an existing product to make it better, and a "start from scratch" team design. Students will be exposed to concepts from geometry, statistics, dimensioning, tolerances, and advanced modeling techniques while completing the projects. **This course is classified as a general elective course.**

0431  **Principles of Engineering (POE)**-1 credit  Lab Fee: $35.00
Prerequisite: Concurrent enrollment in college preparatory mathematics and science. **POE** is a broad based survey course designed to give students an understanding of the wide variety of careers in engineering. Students will study energy while building and testing simple machines, electric circuits, model solar-powered hydrogen fuel cell cars, and insulation for testing. Students will study strength of materials by experimenting with beam deflection, analyze forces on trusses, and perform tensile tests on sample materials to explore elasticity and strength. Students will also learn about machine control using a flow-chart-based computer program on robotic kits equipped with motors, switches, and sensors. In **POE**, students will be exposed to mechanisms, thermodynamics, fluid systems, electrical systems, control systems, statics, strength of materials, and kinematics. This class requires students to learn how to use engineering/mathematical formulas to solve problems. **This course is classified as a physical sciences course.**

0432  **Digital Electronics (DE)** – 1 credit  Lab Fee: $35.00
Prerequisite: **Introduction to Engineering Design** and **Principles of Engineering**; and Concurrent enrollment in college preparatory mathematics and science. **Digital Electronics** is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular telephones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The major focus of the course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Students will also learn basic robotics by constructing and controlling kits called bobots. **This course is designed for 10th or 11th grade students. This course is classified as a physical sciences course.**

Engineering Technology – Tech Prep

0450  **Technology Action Lab** - ½ credit  Course Fee: none  Prerequisite: none
**This course is for freshmen and sophomores** and is strongly recommended for students interested in entering the engineering technology program. Through several hands-on activities, student will become familiar with different engineering practices and careers. Lab experiences will include use of hand and power tools, problem solving, electronics, precision machining, computer aided drafting (CAD), and aerospace and automotive applications. Many projects include in-class individual and team competitions.
Engineering Technology

0482 Engineering Technology I - 2 credits     Course Fee: $50.00
Prerequisite: 2.0 GPA, and a “C” in Algebra I, and a “C” in Technology Action Lab is recommended.

0483 Engineering Technology II - 2 credits     Course Fee: $50.00
Prerequisite: Engineering Technology I
Requirement: Teacher Recommendation

Engineering Technology is a two-year Tech-Prep program for juniors and seniors that is affiliated with the Greene County Career Center. Students may become eligible for scholarships to Sinclair Community College upon successful completion of the two-year program if they also have maintained an eligible GPA. Students will employ state-of-the-art technology, such as computers, robotics and electronics to obtain basic skills. As skills are achieved in the classroom, students will be challenged to develop individual or team projects ranging from battling robots to complex engineering operations. Project management skills are stressed as students learn current methods of producing high-quality projects. Students will have the opportunity to become involved in setting up engineering displays and competing at all levels in engineering contests. Most students will take at least one college level course during the first year in the program.

English

Students are required to earn four English credits as part of their graduation requirements. All English classes include reading, vocabulary, grammar, spelling, composition, and literature but with varying degrees of emphasis and difficulty. All English classes require that students complete at least one major writing assignment. Failure to complete this major assignment will result in the failure to pass the quarter in which the assignment was made.

0260 English for the Limited English Proficient (ESL) - 1 credit     Course Fee: none
Prerequisites: none
This course is designed for students whose native language is not English and whose skills are limited in English proficiency. It is strongly recommended that students enroll in a standard English class in tandem with the ESL English class for a richer educational exposure to the written and spoken English language. The NCAA Clearinghouse will not count this course as an English credit.

0203 English 9 – Part A - ½ credit     Course Fee: Cost of Supplementary Text(s)
Prerequisite: none

0202 English 9 Honors - 1 credit     Course Fee: Cost of Supplemental Text(s)
Prerequisite: Teacher recommendation and Signed Summer Reading Parent Agreement
This course is similar to the English 9 course, but the depth, breadth, and speed of the class will be advanced. The number of sections taught may be limited. Summer reading is required.

0205 English 10 – Part A - ½ credit     Course Fee: Cost of Supplementary Text(s)
Prerequisite: English 9

0206 English 10 – Part B - ½ credit     Course Fee: Cost of Supplementary Text(s)
Prerequisite: English 9

English 10 is a required course in grade 10 and is integrated with the English/language arts curriculum and state of Ohio model standards. This course includes the study of literature, composition, oral communications, independent reading, vocabulary development, grammar, and the mechanics of writing.
**0204  **English 10 Honors - 1 credit  
Prerequisite: English 9 Honors or English 9 along with a teacher recommendation, and Signed Summer Reading Parent Agreement  
This course is similar to the English 10 course, but the depth, breadth, and speed of the class will be advanced. The number of sections taught may be limited. **Summer reading is required.**  

**0265  **Science Fiction - ½ credit  
Prerequisite: English 10 or English 10 Honors; and enrollment in or completion of English 11  
This college-preparatory course is a survey of science fiction and literature of the imagination since the twentieth century. This course is reading intensive and entails discussions and writing assignments that address the social impact and the foresight of the writers’ works.  

**0221  **Speech - ½ credit  
Prerequisite: English 10 or English 10 Honors; and enrollment in or completion of English 11  
Speech will provide students with experiences in public speaking that will develop an awareness of everyday speaking situations. Students will be required to organize and deliver several types of platform speeches and develop an awareness of various communication media.  

**0250  **Creative Writing - ½ credit  
Prerequisite: English 10 or English 10 Honors; and enrollment in or completion of English 11  
This course is designed for students who want to improve their writing of poems, short stories, drama, and essays. Modern short stories and poetry will be studied, both to increase the understanding of human experience and to observe the writer’s techniques. **A final portfolio encompassing all styles of writing is required to earn credit.**  

**0231  **Drama - ½ credit  
Prerequisite: English 10 or English 10 Honors; and enrollment in or completion of English 11  
This course is designed to acquaint students with theater as an art form. Students will study the history of theater, read plays, learn technical theater skills, and participate in theater performance activities. Students will develop skills in reading, writing, memorization, live acting techniques, and active participation as they explore skills related to the various types and components of live performance.  

**0271  **English 11 – Part A - ½ credit  
Prerequisite: English 10 or English 10 Honors  
**English 11 – Part B - ½ credit  
Prerequisite: English 10 or English 10 Honors  
**English 11 is a required course** and is a study of American literature beginning with the earliest letters, journals, and historical documents and continuing through the development of the American short stories and novels and to the present-day literature. (Students may elect to enroll in an Advanced Placement Composition course in place of the English 11 requirement.)  

**0281  **English 12 – Part A - ½ credit  
Prerequisite: enrollment in or completion of English 11; or Language & Composition-Honors-AP  
**English 12 – Part B - ½ credit  
Prerequisite: enrollment in or completion of English 11; or Language & Composition-Honors-AP  
This college-preparatory course is a survey of British literature from the early times to modern day.  

NOTE: **English 11 Parts A and B together constitute a full credit for course 0271 English 11.**  

NOTE: **English 12 Parts A and B together constitute a full credit for course 0281 English 12.**
0294  Language & Composition – Honors – Advanced Placement - 1 credit
Course Fee: Costs for Supplemental Text(s)
Prerequisite: English 9 or English 9 Honors and English 10 or English 10 Honors; and Signed Summer Reading Parent Agreement
This college-preparatory course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. The course will emphasize the expository, analytical, and argumentative writing that forms the basis of academic and professional communication, as well as the personal, synthesis, and reflective writing that fosters the ability to write in any context. **Summer reading is required.** (It is recommended that students complete Language & Composition prior to Literature & Composition.)

0295  Literature & Composition – Honors – Advanced Placement - 1 credit
Course Fee: Costs for Supplemental Text(s)
Prerequisite: English 9 or English 9 Honors and English 10 or English 10 Honors and Signed Summer Reading Parent Agreement
This college-preparatory course provides a more in-depth survey of world literature with emphasis on oral and written literary analysis. Through discussion, reading, and writing, students will become aware of the resources of language and how style, subject, and audience are related. Language, characters, action, themes, structure, meaning, and value will be examined. **This course prepares students to take the Advanced Placement Exam for English Literature and Composition for which college credit may be awarded.** The challenging reading selections require students to possess maturity, good judgment, and insight. **Summer reading is required.** (It is recommended that students complete Language & Composition prior to Literature & Composition.)

Focus Classes

Fairborn High School is committed to providing incoming freshman with a support system to help ease the transition into high school and learn what it means to be a Skyhawk by way of the Freshmen Focus program. The program utilizes the talents and strengths of upperclassmen who serve as peer-leaders along with the Focus teachers. **Focus classes will not figure into GPA calculations nor will it count toward athletic eligibility.**

FL  Focus Leadership - ½ credit, Pass/No Credit
Prerequisites: 1. Junior or Senior Standing,
2. Completed Course Application, AND Approval of Administration
3. Required attendance at the 2-day training session in Summer
4. Required attendance at the 2-day camp session in Summer
This full-year enrichment course is limited to juniors and seniors who meet the enrollment criteria and who are selected/approved as Focus Leaders. **Students applying for this course are expected to make a commitment to the Focus program for the entire school year and must be available (in attendance) during one of the three scheduled lunch periods.** Focus Leaders play an integral role in planning and coordinating Freshman Focus classes, actively mentoring and championing freshman students, and acting as positive role models for students at all grade levels. **Focus Leadership** is scheduled along with lunch, and therefore should not interfere with other scheduled courses.

FF  Freshmen Focus - ½ credit, Pass/No Credit
Course Fee: none  Prerequisite: none
This full-year enrichment course is **required** for all 9th grade students who are entering high school for the first time. **Freshman Focus** classes include several components that will help individuals adapt to high school: orientation activities, values assessments, conflict resolution, how-to sessions, spirit activities, study skills, personality and learning style assessments, academic and career exploration, extra-curricular and co-curricular opportunities, just to name a few. **Freshmen Focus** is scheduled along with lunch, and therefore should not interfere with other scheduled courses. **Students are expected to attend a 2-day orientation camp in the Summer.**

26
Foreign Language

Although foreign language is not a requirement for graduation, most four-year colleges and universities require students to complete at least two years of the same foreign language. A minimum of three years of one foreign language or two years of two foreign languages is required for a diploma with honors. Students with “A” or “B” averages in eighth grade are strongly encouraged to begin a foreign language as freshmen. This allows the option of four years of foreign language study.

0321 Conversational Mandarin - 1 credit
Prerequisite: "C" in Language Arts/English is recommended for incoming 9th graders

This is an introductory course to the Mandarin Chinese language and culture. The focus is on speaking and listening, and a high level of verbal participation is required. Students will gain an understanding of pronunciation, basic translation, language usage, structure, and function found in everyday speaking situations. The number of sections of Conversational Mandarin may be limited; course requests will be considered with seniors receiving preference.

0322 Chinese II - 1 credit
Prerequisite: Conversational Mandarin ("C" average or higher recommended)

In Chinese II, students will continue to study the topics introduced in Conversational Mandarin. Students will learn to express themselves with expanded vocabulary and conversational skills in more complex situations.

0323 Chinese III - 1 credit
Prerequisite: Chinese II ("C" average or higher recommended)

Chinese III is a continuation of Chinese II with emphasis on grammar, composition, advanced vocabulary and conversational skills. The primary mode of instruction will be language immersion in which students will be expected to converse and think in the Chinese language. This course will prepare students to continue Chinese language studies at the college-level. It will allow students to hone their skills in preparation for college Chinese Placement Exams.

0311 French I - 1 credit
Prerequisite: "C" in Language Arts/English is required for incoming 9th graders

French I introduces students to the fundamentals of the language and the culture and geography of France. Students learn to pronounce and recognize basic words and sentences. The vocabulary that one might encounter in everyday situations is stressed. Students become familiar with basic grammar concepts.

0312 French II - 1 credit
Prerequisite: French I (with a “C” average or higher recommended)

French II is a continuation of the study of the basic skills of the French language. Students learn to express ideas in more complicated grammatical structures. The basic vocabulary is expanded to include more situations. Culture is highlighted in dialogues, projects, and supplemental readings.

0313 French III – Honors - 1 credit
Prerequisite: French II (with a “B” average or higher recommended)

French III concentrates on expanded vocabulary, longer readings, advanced grammar, composition, and oral work. Students acquire an understanding and appreciation of French culture through special units on French art, history, landmarks, and literature. They also write and present original stories and dialogues.

0314 French IV – Honors - 1 credit
Prerequisite: French III (with a “B” average or higher recommended)

French IV encourages the continued improvement in comprehension, written, and oral skills. This is accomplished through readings, compositions, and oral presentations. More advanced aspects of grammar are studied. French history, literature, and culture are examined in more depth.
0331  Spanish I - 1 credit  Course Fee: Cost of Workbook
Prerequisite: “C” in Language Arts/English is required for incoming 9th graders

Spanish I introduces students to the fundamentals of the language and the culture and geography of Spain and Latin-American nations. Emphasis is placed on developing comprehension of basic grammatical structures and on developing the ability to think and communicate in Spanish.

0332  Spanish II - 1 credit  Course Fee: Cost of Workbook
Prerequisite: Spanish I (with a “B” average or higher recommended)

Spanish II is an in-depth review and continuation of Spanish I. Emphasis is placed on the study of expanded vocabulary, grammar, conversation skills, and writing skills. The course includes more complex studies in Spanish and Latin American history and culture, but emphasis continues to be oral and written work.

0333  Spanish III – Honors - 1 credit
Prerequisite: Spanish II (with a “B” average or higher recommended)
Course Fee: Cost of Workbook (Workbook can be used in both Spanish III and Spanish IV)

Spanish III is an intensive study of written and spoken Spanish. Continued emphasis is placed on the study of expanded vocabulary, advanced grammar, conversation skills, and writing skills. Students read longer selections, study the history and culture of Spain and Latin America, and give oral presentations.

0334  Spanish IV – Honors - 1 credit
Prerequisite: Spanish III (with a “B” average or higher recommended)
Course Fee: Cost of Workbook (for students without a Spanish III/IV workbook)

Spanish IV is a continuation of Spanish III. Emphasis is placed on the study of advanced grammar and culture. Students continue to improve their skills in written and spoken Spanish.

Health and Physical Education

Students are required to earn one-half credit of health and one-half credit of physical education by the end of their sophomore year and as part of graduation requirements.

0707  Health – Life Choices - ½ credit  Course Fee: none  Prerequisite: none
This basic health class provides a framework for making healthy decisions. In addition to learning communication and goal-setting skills, students have an opportunity to apply a responsible decision-making model to many lifetime health situations. Topics include mental and emotional health, nutrition, sex education, healthy relationships, addictions, and drug and alcohol education. Note: enrollment in this course will forfeit enrollment in Health – The Human Body.

0708  Health – The Human Body  ¼ credit  Course Fee: none  Prerequisite: none
The Human Body is a fast-paced health class that focuses on the study of the human body. A significant portion of the class involves learning and using proper vocabulary of anatomical structures and common terms used in medical fields. Topics will include body systems and their functions, nutrition, sex education, disorders, and disease. This course will be taught from a medical perspective. Note: enrollment in this course will forfeit enrollment in Health – Life Choices.

0720  Physical Education Survey (PES) - ¼ credit  Course Fee: none  Prerequisite: none
This course is required for all students who have not yet earned ¼ physical education credit. PES encompasses short units of various physical education topics and activities which includes a sampling of the various PE courses that students can take after PES. Proper footwear is required for participation in this course.
**0721 Life & Leisure Activities** - ¼ credit  
Course Fee: none  
Prerequisite: ¼ physical education credit

In this course students will have the opportunity to become proficient in a variety of individual sports and activities. Core activities may include darts, table tennis, corn hole, badminton, bowling, juggling, and line dancing. Each of these individualized sports and activities are designed to provide a basis for future leisure time pursuits. Proper footwear is required for participation in this course.

**0722 Life Sports** - ¼ credit  
Course Fee: none  
Prerequisite: ¼ physical education credit

In this course students will have the opportunity to become proficient in a variety of sports that can be considered “lifetime sports” including tennis, golf, sand volleyball, and competitive Frisbee. Each of these sports are designed to provide a basis for future leisure time pursuits. A change of clothing and proper footwear is required for this course.

**0723 Personal Fitness** - ¼ credit  
Course Fee: none  
Prerequisite: ¼ physical education credit

Using a progression of weightlifting, flexibility and cardiovascular activities, students will develop and implement individualized personal fitness plans. Various locations will host these fitness activities: the FHS fitness room, the Community Park East par course, and the FHS track facilities. This fitness class will assist students in developing and maintaining an optimum level of physical health. A change of clothing and proper footwear is required for this course.

**0724 Team Sports** - ¼ credit  
Course Fee: none  
Prerequisite: ¼ physical education credit

By emphasizing cooperative skills and leadership skills, this team-oriented course will provide opportunities for students to actively participate in several team sports. Core activities may include volleyball, basketball, flag football, soccer, and floor hockey. Through these activities students will develop team strategy skills and tactical awareness. A change of clothing and proper footwear is required for this course.

**0725 Competitive Team Sports** – ½ credit  
Prerequisite:  Junior or Senior status; and ¼ physical education credit

This co-ed course will follow a tournament-style format and is intended for students who have extensive competitive sports experience. This is a physically demanding course which may include basketball, volleyball, soccer, team handball, flag football, and Ultimate Frisbee. A change of clothing and proper footwear is required for this course.

**0702 Physical Education Option** – ¼ credit, Pass/No Credit [Credit Awarded on transcript only]  
Fee: Students are responsible for all fees/related costs associated with the various PE Options  
Prerequisite: Approved application

The Physical Education Option is available to student athletes, members of after school Marching Band and Color Guard, Cheerleaders, and members of after school Winter Guard who practice and participate in a Fairborn High School sanctioned activity on a daily basis. These options focus on 1.) physical fitness, 2.) motor skill development, 3.) participation, and 4.) adherence to the Athletic, Music, and/or Student Code with no infractions. Daily participation paralleling the official sport season must be completed at a 90% attendance level in the specific activity for credit to be granted.

Students electing to apply for the PE Option are required to submit a fully-completed PE Option application to the appropriate counselor once the athletic season ends, but prior to the first day of final exams in the school year that the activity place. Sports seasons are determined by the official starting date of the activity and conclude with the final, formal activity of the group.

**Application Process:**

1.) Student picks up a PE Option application from the Guidance Office or Athletic Office at the beginning of the athletic season
2.) At the end of the season, the Coach/Athletic Office verifies that the student has met all the requirements for credit, including the 90% attendance rate, by signing the PE Option application form.
3.) Student submits the fully-completed application to the Guidance Office no later than the first day of their final exams in that same school year  

*(continued...)*
Approved and completed physical education experiences will be documented on the student’s permanent transcript as a PE Option for ¼-credit on a pass/fail basis, which equates to one Physical Education course. The coach, director, or supervisor of the program will be the final determiner of the 90% participation rate. **A maximum of one (1) PE Option credit may be obtained through this option, and no more than ¼-credit may be earned in a given school year.** All final recommendations for credit or placement on the transcript will be determined by the appropriate counselor and the High School Principal. **PE Options will not figure into GPA calculations nor will they count toward athletic eligibility.**

### Home Economics

**0350 Nutrition and Basic Culinary Skills** - ½ credit  
Course Fee: $30.00  
Prerequisite: none

In this course, students will study the food pyramid, use it as a guideline for planning nutritious menus, and promote healthy eating habits. Students will analyze the nutritional values of foods, study safe food preparation procedures, and learn basic cooking vocabulary, the essentials of dining etiquette. The cooking labs will allow for added practice in preparing foods properly using various techniques and equipment.

**0357 Human Development I** - ½ credit  
Course Fee: none  
Prerequisite: none

This course is designed to explore the physical, emotional, intellectual, and social development of human beings from the ages of birth to early adolescence. Using these four components of development as a framework, students will also explore common diseases of children and typical issues that parents face in raising youngsters through the phases of this age group.

**0359 Human Development II** - ½ credit  
Course Fee: none  
Prerequisite: none  
* [Human Development I is not a prerequisite for Human Development II]*

This course is designed to explore the physical, emotional, intellectual, and social development of human beings from the age of adolescence through adulthood. Students will learn about life-skills, developing healthy relationships, and debate the ethics associated with societal issues associated with the transition from the teenage years to adulthood. Topics will include self-concept, budgeting and money management, communication, strengthening relationships and families, human sexuality, decision-making, dating, mate selection, marriage preparation, substance abuse, and young adult issues.

**0360 (sem 1); 0361 (sem 2) Graduation, Reality, and Dual-role Skills (GRADS)** - ½ credit each  
Course Fee: none  
Prerequisite: student is a parent or a parent-to-be

GRADS is an in-school program for pregnant and parenting teens, both male and female, that focuses on knowledge and skills related to positive self, pregnancy, parenting, and economic independence. If applicable, students are encouraged to enroll for both 0360 and 0361 when registering for the GRADS program.

### Mathematics

Students are required to earn three or four math credits as part of their graduation requirements depending on the year that they graduate. The minimal recommended high school math sequence is *Algebra I, Geometry, Algebra II*, and an additional credit of math electives if the student will graduate in 2014 or later. Completing this four year sequence will fulfill typical college entrance requirements for those students who are interested in the humanities, while the usual sequence of math courses for students with interests in science, mathematics, engineering, law, and medicine is *Advanced Algebra I, Advanced Geometry, Algebra II-Honors, Pre-Calculus-Honors*, and a calculus course. **Graphing or scientific calculators are required for some math courses.** Calculators with QWERTY keyboard are not permitted.
Typical Math Course Sequences

Year 1*: Algebra I Essentials^  Algebra I^  Advanced Algebra I
Year 2*: Geometry Essentials^  Geometry^  Advanced Geometry
Year 3: Algebra II Essentials^  Algebra II^  Algebra II - Honors
Year 4: Trigonometry  Pre-Calculus  Pre-Calculus Honors
and/or Math Electives^  Calculus  A.P. Calculus AB
and/or Math Electives

* Although "year 1" in the chart usually corresponds to Grade 9, students may complete year 1 and/or year 2 courses before entering high school.

^Course Codes for Essentials and inclusion classes can be found under “Program Course Types for Students with Individual Educational Plan Programs (IEPs)” of the Program of Study.

NOTE: While this chart represents the typical sequence a student would take in mathematics, students may “move” from one sequence to another. (For example, a student who began in the Essentials sequence may transition to the standard sequence.) In order to transition from one sequence to another, the student must 1.) have met all course prerequisites for the next course they intend to take, 2.) have successfully completed a "bridge" course and/or pass an entrance exam for the course, 3.) have guidance counselor approval and instructors' approval, 4.) if applicable, have a current IEP that supports the transition as appropriate for the student’s needs.

0522 Advanced Algebra I – Module AB - ½ credit  Course Fee: none
Prerequisite: none

0521 Algebra I – Module AB - ½ credit  Course Fee: none
Prerequisite: Teacher Recommendation

0531 Geometry – Part A - ½ credit  Course Fee: none
Prerequisite: Algebra I Essentials or Algebra I or Advanced Algebra I

NOTE: Modules AB and CD together constitute a full credit for course 0522 Advanced Algebra I.

NOTE: Modules AB and CD together constitute a full credit for course 0521 Algebra I.

NOTE: Geometry Parts A and B together constitute a full credit for course 0531 Geometry.

Advanced Algebra I is the course that most freshmen take as their first college-preparatory high school mathematics course. Advanced Algebra I is a course in the language and methods of algebraic expressions and sentences. Students will gain skill and precision in simplifying and solving equations and inequalities in one variable. Analysis of familiar situations and translation of their components to mathematical language is emphasized along with signed numbers, factoring, simplifying radical expressions, graphing on coordinate planes and solving systems of equations.

Algebra I is a course in the language and methods of algebraic expressions and sentences. While this course focuses on the algebraic concepts of a first college-preparatory course in mathematics, the scope, sequence, and pacing of the material will be varied in order to provide students more opportunity for hands-on learning and organizational skill development.

This course is a study of traditional Euclidean Geometry enhanced with three-dimensional exercises. Students will integrate the use of Algebra in problem solving and study all the theorems and properties of plane geometry.
**0532 Advanced Geometry** - 1 credit  
Prerequisite: Successful completion of Advanced Algebra I with a “C” or better;  
(A grade of “A” or “B” from Advanced Algebra I is strongly recommended.)
This course contains all of the topics in Geometry with a primary focus on practicing and understanding deductive logic through written proofs of mathematical theorems and exercises.

**0540 Probability and Statistics** - ½ credit  
Prerequisite: Algebra I or Advanced Algebra I
This semester course emphasizes introductory statistics more than probability. Content includes proper sampling methods, methods for organizing data, calculation of measures of central tendency and measures of dispersion (variability), and finally how predictions can be made. Many areas of study in college require an introductory statistics course; this course would give students a strong base for entering a collegiate level statistics course. It is of particular interest to students who wish to learn to read and interpret statistical data.

**0546 Integrated Math 111** - ½ credit  
Prerequisite: Geometry Essentials, or Geometry, or Advanced Geometry  
Requirement: This course is open only to students graduating prior to 2014.
This course is designed and recommended for students who desire to reinforce and expand their knowledge of algebra fundamentals while working toward their graduation requirements in mathematics. Together with Integrated Math 211 or Trigonometry, this course will expose students to effective standardized test-taking strategies and practice for the ACT, SAT, and Ohio Graduation Tests. Completion of two out of the three courses Integrated Math 111, Integrated Math 211, and Trigonometry can serve as a stepping stone toward Algebra II. The NCAA Clearinghouse will not count this course as a mathematics credit.

**0547 Integrated Math 211** - ½ credit  
Prerequisite: Geometry Essentials, or Geometry or Advanced Geometry  
Requirement: This course is open only to students graduating prior to 2014.
This course is designed and recommended for students who desire to reinforce and expand their knowledge of geometry fundamentals while working toward their graduation requirements in mathematics. Together with Integrated Math 111 or Trigonometry, this course will expose students to effective standardized test-taking strategies and practice for the ACT, SAT, and Ohio Graduation Tests. Completion of two out of the three courses Integrated Math 111, Integrated Math 211, and Trigonometry can serve as a stepping stone toward Algebra II. The NCAA Clearinghouse will not count this course as a mathematics credit.

**0548 Trigonometry** - ½ credit  
Prerequisite: Geometry Essentials, or Geometry or Advanced Geometry  
Requirement: Graphing Calculator (TI-84+SE or N-Spire recommended)
Trigonometry is a branch of mathematics dealing with the study of triangles. In this course, study will include the six trigonometric functions and their graphs. Students will use degree measurements and radian measurements as they explore problems which can be solved trigonometrically. Formulas include double angle, half-angle, angle sum and difference, co-function, and reciprocal relationships. Emphasis will be placed on trig applications.

**0524 Algebra II** - 1 credit  
Prerequisite: Advanced Geometry or Geometry with a “C” or higher recommended.
This course is designed for college-bound students and has become a graduation requirement for students graduating in 2014 or later. This course improves upon and extends the skills and concepts from Advanced Algebra I and stresses verbal precision and applications. The concept of function is introduced with emphasis on linear, quadratic, and logarithmic functions.
0525 **Algebra II – Honors** - 1 credit  
Prerequisite: "B" or better in *Advanced Algebra I* **and** "B" or better in *Advanced Geometry*  
Requirement: Graphing Calculator (TI-84+SE or N-Spire recommended)  
This course covers all of the topics taught in *Algebra II*, plus a thorough discussion and analysis of trigonometry. Graphing calculators are used to enhance the curriculum. This course moves more rapidly and is more challenging than regular *Algebra II*; it is designed for students planning a career in mathematics, engineering, physics, etc. Computer projects may be included.

0542 **Pre-calculus** - 1 credit  
Prerequisite: *Algebra II-Honors or Algebra II*, "C" or higher recommended  
Requirement: Graphing Calculator (TI-84+SE or N-Spire)  
This course is specifically designed for college-bound students. The course concepts include but are not limited to trigonometry, complex numbers, relation, functions, vectors, polar equations, conic sections and detailed use of graphing calculators to explore these concepts with deeper understanding.

0543 **Pre-Calculus – Honors** - 1 credit  
Prerequisite: *Algebra II – Honors*  
Requirement: Graphing Calculator (TI-84+SE or N-Spire recommended)  
This course is designed for students who have mastered the concepts of trigonometry and analysis. It is a thorough course in the detailed study of all types of functions. Trigonometric and analytical ideas are used throughout the course. Computer projects may be included.

0544 **Calculus – Honors** - ½ credit  
Prerequisite: Completion of or enrollment in *Pre-Calculus or Pre-Calculus-Honors*  
Requirement: Graphing Calculator (TI-84+SE or N-Spire recommended)  
*Calculus* is designed for students interested in mathematics, science and engineering. It covers a major part of the differential calculus. Applications will be stressed. Graphing calculators are used to enhance the curriculum. Computer projects may be included.

0545 **Calculus AB – Honors – Advanced Placement** - 1 credit  
Prerequisite: *Pre-Calculus or Pre-Calculus-Honors*  
Requirement: Graphing Calculator (TI-84+SE or N-Spire recommended)  
This course covers the topics of regular calculus, but also includes integral calculus. This course prepares students to take the Advanced Placement Exam for Calculus AB for which college credit may be awarded. Computer projects may be included.

---

**Music**

0609 **Chamber Orchestra** - 1 credit  
Prerequisite: none  
Requirement: **Audition and Teacher Recommendation**  
*Chamber Orchestra* is open to all students in grades 9 through 12 who play stringed instruments. This performance-based class will include concert, solo, and ensemble music for strings with a B- or C-OMEA difficulty level. Focus is on fundamentals of ensemble performance including tone quality, scales, rhythm, balance, and blend. This group has a minimum of 3 required performances during the school year.

0610 **Symphonic Orchestra** - 1 credit  
Prerequisite: none  
Requirement: **Audition and Teacher Recommendation**  
This is the premier orchestral ensemble at FHS. Students will only be admitted to the class by audition, but it is open to students in grades 9 through 12. This performance-based class will focus on the study of advanced musical concepts including scale and technique exercises, rhythmic studies, music theory, sight reading, and intonation acuity. This group has at least 3 required performances during the school year.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Course Fee</th>
<th>Prerequisite</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>0601</td>
<td>Choral Union</td>
<td>1</td>
<td>$45.00</td>
<td>none</td>
<td>Audition and Teacher Recommendation</td>
</tr>
<tr>
<td></td>
<td>This freshman-level choir's class objectives are developing basic vocal skills and techniques, improving part singing and music reading skills, and preparing choral literature for performance. This choir performs at school concerts and various contests throughout the school year.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0602</td>
<td>Concert Choir</td>
<td>1</td>
<td>$45.00</td>
<td>none</td>
<td>Audition and Teacher Recommendation</td>
</tr>
<tr>
<td></td>
<td>Concert Choir is open to female students in grades 10 - 12. Objectives are to develop vocal skills and techniques, improve part-singing and music reading skills, and prepare choral literature for performance at concerts and contests.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0603</td>
<td>A Cappella Choir</td>
<td>1</td>
<td>$45.00</td>
<td>none</td>
<td>Audition and Teacher Recommendation</td>
</tr>
<tr>
<td></td>
<td>A Cappella Choir is a large group ensemble open to female students in grades 11 and 12, and male students in grades 10 through 12. Objectives are to develop vocal skills and techniques, improve part singing and music reading skills, and prepare choral literature for performance at concerts and contests.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604</td>
<td>Concert Band</td>
<td>1</td>
<td>none</td>
<td>none</td>
<td>Audition and Teacher Recommendation</td>
</tr>
<tr>
<td></td>
<td>Concert Band is open to all students in grades 9 through 12 who play brass, woodwind, or percussion instruments. This performance-based class will include concert, solo, and ensemble music with a class B or class C OMEA difficulty level. Focus is on fundamentals of ensemble performance including tone quality, scales, rhythm, balance, blend, and techniques. This group has a minimum of 3 required performances during the school year.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0608</td>
<td>Symphonic Winds</td>
<td>1</td>
<td>$35.00 for males (annual concert tuxedo rental); $75.00 for females (one-time concert dress purchase)</td>
<td>none</td>
<td>Audition and Teacher Recommendation</td>
</tr>
<tr>
<td></td>
<td>Symphonic Winds is the premier wind ensemble at FHS and is open to students in grades 9 through 12 who play a brass, woodwind, or percussion instrument. Students will only be admitted to the class by audition. This performance-based class will include marching, concert, and solo and ensemble literature with an OMEA difficulty rating of A or AA. Study of advanced music concepts will include all major and minor scales, advanced rhythmic studies, advanced listening, advanced harmony skills, basic music theory, and analysis of the social implications of the music performed. This group has a minimum of 5 required performances during the school year.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0611</td>
<td>Music Theory I</td>
<td>½</td>
<td>$13.00 Workbook</td>
<td>none</td>
<td>Music Staff Recommendation</td>
</tr>
<tr>
<td></td>
<td>This course will cover the harmonic and rhythmic structure of music. Students will learn notation, key signatures, chord structure, harmonic progression, and melodic compositional devices. Part writing and arranging will be included, as well as ear-training and dictation. This course is designed to prepare students for Music Theory II as well as an entry-level collegiate theory course designed for non-music majors.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0613</td>
<td>Music Theory II</td>
<td>½</td>
<td>$13.00 Workbook</td>
<td>Music Theory I</td>
<td>Music Staff Recommendation</td>
</tr>
<tr>
<td></td>
<td>The course concepts learned in Music Theory I will be revisited in Music Theory II, however theory concepts and choral structures will be more advanced. This course is designed to prepare students for entry-level collegiate music majors at the collegiate level Music Theory II as well as an entry-level collegiate theory course designed for music majors as well as non-music majors.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
0615  Jazz Improvisation/Rock Band Ensemble - 1 credit

Course Fee: $15.00 Workbook
Prerequisite: none
Requirement: Audition and Teacher Recommendation

This performance-based class is open to students in grades 9 through 12 who play brass and woodwind instruments, drum-set, guitar, electric or upright bass, and piano. Students will learn how to improvise and play in a small ensemble setting using various musical styles including rock, jazz, funk, and Latin. This is an advanced ensemble and individuals wishing to enroll should already have a thorough knowledge of major and minor scales and be proficient at playing their instrument. In addition to performance assessments, students will take written music theory tests throughout the year. Guitar players must have the initial knowledge of reading tablature and will learn how to read written music. Bass players must be able to read music notation. Drum-set players must be able to perform basic rhythm styles (rock, Latin, and funk beats) and read music notation.

Science

Students are required to earn three science credits as part of their graduation requirements. Students graduating in 2014 and beyond must have one unit of biological science, one unit of physical science, and one unit of advanced study. Students graduating in 2012 or 2013 must have successfully completed one physical science unit and one biological science unit as part of those three credits.

The following two pages contain graphical representations of the recommended course sequence for science. The first is the course sequence that applies to students in the graduating class of 2012 and 2013. The second applies to students who expect to graduate in 2014 and 2015. The course sequences differ due to a change in the science sequencing that began in 2008. If you have any questions about the science sequence that is most suited to you, please contact your science teacher or your guidance counselor.
Science Course Sequence for Classes of 2012 and 2013

Grade 8

Science 8

Grade 9

Life Science

Grade 10

Integrated Physical Science

Grades 11 & 12#

Biology II – H – AP
Chemistry I – H
Chemistry II – H – AP
Conceptual Physics
Earth and Space Science
Physics – H
Physics – H – AP

Greene County Career Center

Chemistry and Society
Conceptual Physics
Earth and Space Science

Chemistry II – H – AP
Conceptual Physics
Earth and Space Science
Physics – H
Physics – H – AP

Biology II-H-AP
Chemistry I – H
Conceptual Physics
Earth and Space Science
Physics – H
Physics – H – AP

Greene County Career Center

# student will be enrolled in 12th grade courses only if all requirements (3 science credits, passage of the OGT, and prerequisites) are met.
Science Course Sequence for Class of 2014 and 2015

Grade 8

Science 8

Grade 9

Biology I

Advanced Biology I^*

Integrated Physical Science

Chemistry and Society

Chemistry I - H

Grade 10

Biology II – H – AP
Chemistry and Society
Conceptual Physics
Earth and Space Science
Physics – H
Physics – H – AP

Biology II – H – AP
Chemistry I – H
Conceptual Physics
Earth and Space Science
Physics – H
Physics – H – AP

Biology II – H – AP
Chemistry II – H – AP
Conceptual Physics
Earth and Space Science
Physics – H
Physics – H – AP

^ 9th grade enrollment in Advanced Biology I requires a “B” average in Science 8; 10th and 11th grade enrollment will be based on teacher recommendation, the needs of the individual student, and successful completion of prerequisites.

# student will be enrolled in 12th grade courses only if all requirements (3 science credits, passage of the OGT, and prerequisites) are met.
This entry-level (freshmen) biological science course is designed and recommended for students who desire to work toward their science graduation requirements. It will help prepare students for the Ohio Graduation Science Test. This is a basic biology course that will include the study of cells, heredity, biological evolution, and the diversity and interdependence of life. Students who already have taken Advanced Biology I may not take Biology I.

0831 Advanced Biology I - 1 credit
Course Fee: $10.00
Prerequisite: full “B” or better in 8th grade Science
This is a freshman-level course designed for the college-bound student. It is a well-balanced introductory course that challenges students in their study of many biological topics. Cell biology, genetics, kingdom studies, and ecology are all emphasized with consideration made toward biological problems and issues of special importance to man. Projects, technology applications, and laboratory experiences are integral parts of the course. This is a preparatory class for future studies in honors chemistry and advanced-placement biology. Biology I students may not take Advanced Biology I.

0810 Integrated Physical Science – Part A - ½ credit
Course Fee: $10.00
Prerequisite: Life Science or Biology I
Integrated Physical Science – Part B - ½ credit
Prerequisite: Life Science or Biology I
Integrated Physical Science is a sophomore-level course that discusses matter and energy. This course will provide an introduction to the periodic table, the atomic model, chemical interactions, Newton's Laws of motion, energy, earth processes, and the universe. In addition, this course will focus on the process of science, which includes inquiry learning and active problem solving.

0840 Chemistry and Society - 1 credit
Course Fee: $15.00
Prerequisite: (Life Science and Integrated Physical Science) – OR – Biology I
Requirement: Scientific or Graphing Calculator
This course will emphasize the practical applications of chemistry, as well as the impact of chemistry on society. The principles and theories of chemistry will be presented as a basis for understanding chemistry-related issues facing our world. Students will be encouraged to explore these issues through class activities, lab activities, discussions, and outside readings. The course is intended as a college-preparatory class for students who do not plan to further their studies in chemistry. This course fulfills the physical science requirement for graduation.

0841 Chemistry I – Honors - 1 credit
Course Fee: $15.00
Prerequisite: (Life Science and Integrated Physical Science) – OR – Biology I,
AND a “B” average or better in Algebra I
Requirement: Scientific or Graphing Calculator
This course follows a traditional approach to chemistry in which students will study the basic theories and concepts of atoms and chemical interactions. Reinforcement of these theories and concepts requires participation in classroom discussions, laboratory work, and nightly coursework. Students will gain an insight into the chemical nature of the world around them. This course covers the major topics of chemistry at a rapid pace and is intended to prepare students to pursue chemistry on a more advanced level. The course requires strong algebra skills, good work ethics, and development of acceptable laboratory techniques. This course fulfills the physical science requirement for graduation.

0846 Earth and Space Science - 1 credit
Course Fee: $10.00
Prerequisite: Junior status or higher; AND 1 credit each of physical sciences and biological sciences
This course will provide an overview of earth science principles that will include astronomy, geology, mining, natural resource management, volcanism, earthquakes, meteorology, and the theory of global warming. The interaction of man with these systems will be emphasized. It is writing-intensive course focusing on the processes of science using inquiry learning, computer-based learning, active problem solving, and model building.
Conceptual Physics - 1 credit

Prerequisite: Junior status or higher; AND 1 credit each of physical sciences and biological sciences

Conceptual Physics provides an option to students who otherwise would not take a physics course. The course focuses less on computational aspects and more on mental imagery that relates to things and events in the everyday environment. This course fulfills the physical science requirement for graduation.

Physics – Honors - 1 credit

Prerequisite: Chemistry & Society or Chemistry I (Chemistry I is recommended) and Advanced Geometry or Geometry (taken prior to 2009-10)

Physics – Honors is a physical science that deals with matter and energy and their transformations. The conventional physics course focuses on the following topics: matter and energy; force and motion; structure of matter, heat, wave motion, and sound; light; and direct current electricity. The course makes use of a variety of learning methods including hands-on activities, labs, and lecture. This course is designed students who expect to continue in physics, medical fields, or other sciences and for students who desire to establish a solid foundation in problem-solving techniques.

Physics – Honors – Advanced Placement - 2 credits

Prerequisite: Chemistry & Society or Chemistry I (Chemistry I is recommended) and Advanced Geometry or Geometry (taken prior to 2009-10)

Physics – Honors – AP is a fast-paced course that encompasses linear, circular, and angular kinematics; Newton's Laws of Motion; thermodynamics; sound and light wave theory; electricity and magnetism; optics; and some topics in modern physics. This course requires a high level of commitment by students and the ability to develop problem-solving skills. Students must be highly competent in algebra and must be willing to complete a minimum of one to two hours of homework each night. This course prepares students to take the Advanced Placement Exam for Physics B for which college credit may be awarded. This course is algebra-based and will not replace calculus-based college physics courses required for engineers and scientists. This class meets two periods every day.

Biology II – Honors – Advanced Placement - 2 credits

Prerequisite: Biology I and Chemistry I ("C" average or better required)

OR

Biology I and Concurrent enrollment in Chemistry I;

 Requirement: Graphing Calculator

This is a full-year course that prepares students to take the Advanced Placement Exam for Biology for which college credit may be awarded. General topic areas will include biochemistry and cell biology, classical and biochemical genetics, zoological classification and development, botanical classification and development, ecology, and photosynthesis/respiration cycles. Extensive laboratory work is included. This class meets two-periods every day.

Chemistry II – Honors – Advanced Placement - 2 credits

Prerequisite: "B" or better in Chemistry I – Honors and "B" or better in Algebra II

 Requirement: Scientific or Graphing Calculator

This course is a rigorous, fast-paced class that follows a college-level general chemistry curriculum. The course prepares students to take the Advanced Placement Exam for Chemistry for which college credit may be awarded. Students will gain an appreciation for the intricate reactions that control and maintain life. Many Chemistry I – Honors topics are reviewed and studied to greater depth. Additional advanced topics that are covered include chemical equilibriums, kinetics, and thermodynamics. This course requires mastery of algebra skills, excellent work ethics, and extensive laboratory work. This class meets two-periods every day.
Social Studies

Students must earn three social studies credits including Government as part of their graduation requirements.

0854 **World Studies – Part A** - ½ credit

Course Fee: none

Prerequisite: none

**World Studies – Part B** - ½ credit

Prerequisite: none

*World Studies is a freshmen-level course* that consists of the chronological study of the world from 1750 to the present, Age of Revolutions through the twenty-first century. This course will include the seven social studies standards: history, people in society, geography, economics, government, citizenship rights and responsibilities, and social studies skills and methods. Students will develop a deeper understanding of the role citizens play in their countries. The influences of geography, culture, and economics will be emphasized. Students will understand how governmental changes that happened during this historical period have affected the world as a whole. This course helps students to prepare for the Ohio Graduation Social Studies Test.

0855 **American Studies – Part A** - ½ credit

Course Fee: none

Prerequisite: *World Studies*

**American Studies – Part B** - ½ credit

Prerequisite: *World Studies*

*American Studies is a sophomore-level course* that contains a chronological study of the United States from 1877 to the present, post-reconstruction through the twenty-first century. This course will include seven social studies standards: history, people in society, geography, economics, government, citizenship rights and responsibilities, and social studies skills and methods. Students will develop a deeper understanding of the role citizens play in their country. The influences of geography, culture, and economics will be emphasized. Students will understand how governmental changes during this historical period affected the world as a whole. This course helps students to prepare for the Ohio Graduation Social Studies Test.

0856 **American Studies – Honors** - 1 credit

Course Fee: none

Prerequisite: "B" or higher grade average in *World Studies*

This course is recommended for the student who is interested in analyzing and researching American Studies from 1875 to the present in a more in-depth fashion than the standard *American Studies* course. A semester research paper is required as is independent reading in addition to the textbook. Students that plan on attending four-year colleges would do well to take this course. While students learn information to help them with preparation for the Social Studies Ohio Graduation Test, this course will require that students read, write, and research further than a student in the non-Honors *American Studies* course. This course fulfills the *American Studies* graduation requirement.

0891 **Government** - ½ credit

Course Fee: none

Prerequisite: *American Studies or American Studies Honors*

*Government* is a survey course in U.S. Government that is designed to give potential voters full awareness of their responsibilities as citizens, as well as knowledge of their rights under a democratic form of government. It teaches students the framework of our form of government and gives them insight into the workings of a democracy. Moreover, it teaches students that a democratic government's survival depends upon the intelligent decisions of informed voters. *This course fulfills the government requirement for graduation.*

0870 **Psychology** - ½ credit

Course Fee: none

Prerequisite: *American Studies*

The facts of human behavior have changed little since the time of primitive humanity, but our understanding of them increases with each new psychological idea that is explored. This introductory psychology course should enable students to see themselves differently; and as a consequence, view their own behavior more realistically. Topics will include sensation and perception, altered states of consciousness, memory, learning, psychological disorders, testing, human development, theories of personality, and other related topics.
0871 Sociology - ½ credit Course Fee: none Prerequisite: American Studies

Sociology is a semester course that deals with the study of human groups. Each society sets up unique social arrangements for satisfying the biological and psychological needs of its members. The social organizations that prevail often fall short of the demands made upon them. This course deals with the attempts made by our own culture and other cultures to change the institutions or to change the individuals in order to achieve a harmony between the self and his or her society. Topics will include social interactions, cultures and variations of cultures, processes of socialization, social institutions, and other current social issues.

0872 Economics – Honors - ½ credit Course Fee: none
Prerequisite: “B” average or better in American Studies

Economics is the study of how a nation organizes itself to produce the goods and services that the people want and need and how these goods and services are distributed to the people. Economics – Honors discusses how supply and demand determine price in the free enterprise system. Other areas discussed are: comparative economic systems, money and banking, international trade and gold reserves outflow to other nations, business enterprises, and the selling of stock and the capitalistic system. Projects relating to current economic events using the computer lab will be included.

0885 World Affairs – Honors - ½ credit Course Fee: none
Prerequisite: “B” average or better in American Studies

The World Affairs Honors class is directed along lines that will help students develop an understanding of the complexity of U.S. involvement in international affairs and the effectiveness and limitations of various instruments of foreign policy. Students also will keep abreast of the current national and international events of major significance. During the semester, an in-depth study is made of several topics. A series of readings is used in the course. In addition, research is required. Those students who are interested in obtaining an understanding of the “why” of world events and who are willing to read and form intelligent opinions will find the course valuable.

0888 Government – Honors – Advanced Placement - 1 credit Course Fee: Cost of Supplementary Text(s)
Prerequisite: “B” average or better in American Studies

This is a fast paced, reading-intensive course providing an analytical perspective on government and politics in the United States. This course involves the study of general concepts used to interpret U.S. politics, the analysis of specific case studies, and requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political culture. This course is well-suited for those students who are interested in pursuing a future in government, criminal justice, or community leadership. The course also prepares students to take the Advanced Placement Exam for Government for which college credit may be awarded. This course fulfills the government requirement for graduation.

0887 World History – Honors – Advanced Placement - 1 credit Course Fee: Cost of Supplementary Text(s)
Prerequisites: “B” average or better in American Studies

World History – Honors – AP is a reading-intensive, fast-paced course that follows a college-level world history curriculum. The course prepares students to take the Advanced Placement Exam for World History for which college credit may be awarded. This course will utilize geography and the history of world events to provide students with an understanding of the interaction among and evolution of major societies in regard to technological developments, cultural achievements, religion, and the various themes of philosophy and literature. The focus is on major world cultures from stone-age man to modern times.
Unified Arts

0061 Introduction to Law Enforcement – ½ credit
Course Fee: none
Prerequisite: English 10 with “C” or higher, and ½ physical education credit, and Algebra I, and Junior class status or higher

Intro to Law Enforcement is a course specifically aimed at students interested in learning more about various law enforcement agencies and topics related to the field of law enforcement. The course will be taught by staff from the Fairborn Police Department in cooperation with FHS instructors. Students who enroll in this course are responsible for actively participating in hands-on projects, training scenarios, and traditional classroom activities. Topics will include a physical fitness component, and may include officer safety, traffic enforcement and crash investigation, the criminal justice system, crime scene processing, corrections and rehabilitation, and career options.

0240 Newspaper I - 1 credit
Course Fee: none
Requirement: Course Application
Prerequisite: English 10

This course is designed to teach students the responsibilities and skills necessary to produce a high school newspaper. Concentration will be on all aspects of news writing, feature writing, editorial writing, and in-depth news stories. Considerable emphasis will be placed on advertising sales, layout and design, proofreading, interviewing, and the laws and ethics of journalism. This course is classified as an elective credit.

0241 Newspaper II - 1 credit
Course Fee: none
Requirement: Course Application
Prerequisite: English 10 and Newspaper I

Students who enroll in Newspaper II are responsible for writing, financing, and producing the high school newspaper. Students are expected to take leadership roles and complete all the requirements of being on the newspaper staff. This course is classified as an elective credit.

0242 Yearbook I - 1 credit
Course Fee: none
Requirement: Course Application
Prerequisite: Sophomore status or higher

Students who enroll in this course are responsible for the publishing, editing, and financing of the yearbook. The yearbook records the history of the school year and the people who were involved in that year’s activities. Yearbook staff members plan the layout of the yearbook, design pages on computers, solicit advertising, do research, and write stories. This course is classified as an elective credit.

0243 Yearbook II - 1 credit
Course Fee: none
Requirement: Course Application
Prerequisite: Yearbook I

Students who enroll in this course are responsible for publishing, editing, and financing the yearbook. The yearbook records the history of the school year and the people who were involved in that year’s activities. Yearbook staff members plan the layout of the yearbook, design pages, solicit advertising, do research, and write stories. Students in this class are expected to take leadership roles and complete all the requirements of being on the yearbook staff. This course is classified as an elective credit.
Index

A
Adding Courses ................................................................. 12
Air Force JROTC Courses ................................................ 17
Alternate Ohio Diploma Requirements .............................. 3
Art Courses ................................................................. 18
Auditing Courses .............................................................. 12

B
Biomedical Sciences Courses ........................................... 20
Business Courses ............................................................ 21

C
Class Rank Calculation ..................................................... 6
Class Status ................................................................. 2
Course Offering Chart ...................................................... 14
Course Types ................................................................. 10
Credit Flexibility .............................................................. 10

D
Definition of Terms .......................................................... 2
Diploma – Award of Merit Requirements ............................. 6
Diploma – With Honors .................................................... 5
Dropping Courses ........................................................... 12
Dual Enrollment ............................................................... 8

E
Early Graduation .............................................................. 4
Eighth Grade Scheduling Process ....................................... 13
Engineering Courses ....................................................... 23
Engineering Technology-Tech Prep Courses ....................... 23
English Courses ............................................................ 24
Essentials Courses ........................................................... 10

F
Focus Classes ................................................................. 26
Foreign Language Courses ............................................... 27
Four-Year Planner ........................................................... 3

G
Gifted Students Course Types .......................................... 11
GPA Calculation ............................................................. 7
GPA Calculation – Honor Roll/Eligibility ............................ 7
Graduation
  Credits Recommended .................................................. 3
  Graduation Requirements ................................................ 2

G (continued)
Greene County Career Center (GCCC) ............................. 8
Guided Learning Experience (GLE) ................................... 9

H
Health Courses ................................................................ 28
Home Economics Courses .............................................. 30

I
IEP Students Course Types ............................................... 10
Inclusion(Team) Courses .................................................. 11

M
Math Sequences Chart .................................................... 31
Mathematics Courses ...................................................... 30
Music Courses ............................................................... 33

N
Newly Enrolled Student Scheduling .................................. 13

P
Physical Education Courses ............................................. 28
Post-Secondary Enrollment Options ................................. 9
Project Lead The Way (PLTW) ........................................... 8

R
Retaking Courses ............................................................ 12

S
Schedule Changes ........................................................... 12
Scheduling Process ......................................................... 13
Science Courses ............................................................. 35
Science Sequences Chart ............................................... 46
Seniors to Sophomores .................................................... 9
Social Studies Courses .................................................... 40

T
Transfer Credits ............................................................. 4

U
Unified Arts Courses ....................................................... 42

V
Valedictorian and Salutatorian Determination ................. 7

NOTES: .............................................................................

.............................................................................