

# Shelby High School

2025 - 2026

## Course Selections & Curriculum Guide



January 2025

This Course Description Book is a valuable resource in helping students and parents select courses while enrolled at Shelby High School. Choosing the correct courses to prepare students for life after high school can be challenging. I encourage you to work with guidance counselors, teachers and administrators throughout this process.

It is becoming increasingly difficult for students to choose a career path after high school. Technological advances, new research and an ever changing job market have changed how students choose a future career path. It has been stated many times that students who graduate from high school now will take a job in the future that does not currently exist. It is extremely important for our high school graduates to be well-rounded and able to adapt to many situations. A strong focus is now placed on developing critical thinking and problem solving skills as well as content knowledge. Shelby High School continuously reviews course offerings and makes any necessary changes to help prepare our students.

I strongly encourage students and parents to look through this booklet during the scheduling process. Completing the four year educational plan will help students begin to formulate a plan for both high school and college or career. This booklet also outlines many of our policies regarding graduation, grading and the scheduling process.

It is important that students return the schedule request forms by the deadline. This will allow us to determine the number of sections to offer and to set the master schedule. I urge students to ask a counselor, teacher or administrator if they have any questions about scheduling or advice on what courses to take.

Go Whippets!

**John Gies**

SHS Principal

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# Shelby High School

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## School Counselors

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## GRADUATION REQUIREMENTS

Graduation Requirements	
English Language Arts	4 credits
Mathematics	4 credits
Science	3 credits
Social Studies	3 credits
Health	½ credits
Physical Education	½ credits *
Electives	6 credits
<b>Total</b>	<b>21 credits</b>

**English Language Arts-** English 1, 2, 3, 4, and a variety of other English courses can be used to meet this requirement.

**Mathematics-** must include Algebra 2 or its equivalent.

**Science-** must include one credit of physical science, one credit of life science, and one unit of advanced study in one or more of the following sciences: chemistry, physics or other physical science, advanced biology or other life science such as astronomy, physical geology or other earth or space science.

**Social Studies-** must include World History, American History, and American Government. Beginning with the Class of 2026, students are also required to have a ½ credit of Financial Literacy

**Physical Education-** The Shelby City Schools have adopted a policy that allows students to waive the physical education requirement if they complete two full seasons of interscholastic athletics, marching band, or cheerleading. A physical education waiver must be completed and approved through the Guidance Office. No physical education credits are issued if the student chooses to waive the class. However, the physical education waiver does meet graduation requirements.

**Fine Arts-** Band, choir, or art are included in the fine arts requirement with students completing at least two semesters anytime in grades 7-12. Those following a career-tech pathway are exempt from this requirement. If a student completes the requirement in middle school they will not receive high school credit for the course.

Any student entering high school on or after July 1, 2019, must meet the following graduation requirements.:

1. **Cover the Basics-** students must earn a minimum of 21 credits in specified subjects and take the required tests (Algebra 1 and ELA 2).
2. **Show Competency-** Earn a competency score on the Algebra 1 and ELA 2 end-of-course exam (684). Students who do not earn the competency score will be offered additional support and must retake the test at least once.
  - After taking the required tests, there are three additional ways to show competency
    - **Option 1-** Demonstrate two career-focused activities
      - **Note- at least one of the two activities must be Foundational**

- Foundational- Proficient score on WebXams, a 12-point industry credential or a pre-apprenticeship or acceptance into an approved apprenticeship program
      - Support- work-based learning or earn the required score on WorkKeys or on Ohio Means Jobs Readiness Seal
    - *Option 2*- Enlist in the military
      - Show evidence that you have signed a contract to enter a branch of the U.S. Armed Services upon graduation
    - *Option 3*- Complete college coursework
      - Earn credit for one college-level math and/or college-level English course through the CCP program
3. **Show Readiness**- Earn **two** of the following diploma seals. At least one of the two must be Ohio-designed.
- **Ohio Means Jobs Readiness Seal** (Ohio)- must satisfy each of the following
    - Demonstrate proficiency in each of the 14 identified professional skills
    - Use the Ohio Means Jobs- Readiness Seal Form to record demonstration of each professional skill; and
    - Work with a mentor to validate demonstration of each skill across a minimum of 2 of the 3 environments. The three potential environments are: School, Work, and Community
  - **Industry-Recognized Credential Seal** (Ohio)- must meet one of the following criteria
    - Earn a 12 point industry-recognized credential; or
    - Earn a group of credentials totaling 12 points in a single career field; or
    - Obtain a state-issued license for a practice in a vocation that requires an examination
  - **College-Ready Seal** (Ohio)
    - Earn remediation-free scores on the ACT English (18), Reading (22), and Math (22) tests
  - **Military Enlistment Seal** (Ohio)
    - Provide evidence (DD Form 4) that you have signed a contract to join a branch of the United States Armed Forces
  - **Citizenship Seal** (Ohio) - need to meet one of the American History and one of the American Government options:
    - American History Option:
      - earn a final course grade of A or B in American History
      - score proficient or higher on the Amer. Hist. end of course exam
      - earn a score equivalent to Proficient on the AP US History exam
      - earn an A or B in an appropriate American History CCP course
    - American Government Option:
      - earn a final course grade of A or B in American Government
      - score proficient or higher on the American Government end of course exam
      - earn a score equivalent to Proficient on the AP American Government test
      - Earn an A or B in an appropriate American Government CCP course
  - **Science Seal** (Ohio)- must satisfy at least one of the following:
    - Earn a final course grade of A or B in an advanced science course;
    - Earn a score of Proficient or higher on the Biology end of course exam
    - Earn a score equivalent to Proficient on an appropriate AP science test; or
    - Earn an A or B in a CCP science course
  - **Honors Diploma Seal** (Ohio)

- Earn one of the six Honors Diplomas as defined by the Ohio Department of Education
- **Seal of Biliteracy (Ohio)**
  - Demonstrate proficiency in English and high levels of proficiency in at least one other world language (See your counselor if you want to earn this seal)
- **Technology Seal (Ohio)**-must satisfy at least one of the requirements below:
  - Earn a score equivalent to Proficient on an appropriate AP test; or
  - Earn a “B: or higher in an appropriate CCP technology course
  - Complete a technology course that meets criteria established by the Ohio Department of Education
- **Community Service Seal**
  - Perform at least 40 hours of community service over the four years of high school. Community service hours cannot be performed for family members and the student cannot be paid for the work.
  - Students will be required to document their hours
- **Fine and Performing Arts Seal**
  - Students must earn 5 points
  - Each fine or performing arts class is worth one (1) point. (Any art class, choir, band, music theory, music theater, pop music, music appreciation)
  - Each Whippet Theater performance (cast or crew) is worth one (1) point
  - Outside performances, such as local theater or church choir, may earn points as well. Outside performances require pre-approval from the high school principal
- **Student Engagement Seal**
  - Students must earn 5 points
  - Students can earn one (1) point for every school activity membership (athletics, clubs, band, choir)
  - Students must be active participants in the organization and finish the school year in good standing with the organization

**Students who do not meet all curriculum requirements will not be permitted to take part in the Graduation ceremony. The student will be awarded their diploma upon completion of all curriculum requirements and successfully passing any required state assessments.**

## **COURSE SCHEDULING PROCESS**

Each spring the Guidance department will meet with each class to discuss the scheduling process. Students will be given a form to indicate which courses they would like to take for the next school year. Counselors will then meet with each student individually to discuss an appropriate schedule. If a student wishes to request a schedule change after meeting with their counselor, he/she may do that until the “Change of Mind” deadline of **May 2** without questions. After the deadline, students must complete a form that includes the student’s name, course (s) to add and/or drop. Schedule changes are discouraged and requests for schedule changes will be given close scrutiny. All changes must be approved by the counselors.

It is our policy to limit specific teacher requests by students and parents. If you feel there is an adequate reason for requesting a teacher, please schedule an appointment with the principal before May 5<sup>th</sup>. As always, we appreciate the trust that you place in us in making the best placement for your child, as we consider all of the educational factors in each child’s best interests. No request is necessarily guaranteed, as we consider many factors in placing each child in a classroom.

## **SCHEDULING OPTIONS**

**Flexible Credit Options:** Shelby High School does have a flexible credit option for students. This option would allow students to earn credits for a course based on an educational plan instead of sitting in the classroom. This option requires the student and parent to create an educational plan, which must then be approved by the principal. If you are interested in this option, please contact the principal or school counselor.

**Credit Recovery:** It is possible for a student to earn credit for a course after they have taken the traditional course and failed. There are different ways for a student to recover credits, with the online option being the most popular. The school counselor will address this option with students on an individual basis. Contact the principal or school counselor if you have questions about this option.

**Repeating a Subject:** Credit for a specific course will be granted only once. A student may repeat a subject in order to improve their grade. When repeating a course for credit, the grade earned upon repeating the course will replace the original grade. This option is only available to a student earning a 'C' or lower in a course. A grade of "F" will remain on the student's transcript but the new grade will be used to calculate the grade point average.

**Independent Study:** Seniors desiring to expand their learning beyond the traditional classes offered may arrange to complete an independent study with a teacher. The following criteria apply:

- Students must have a 3.0 cumulative GPA.
- Independent study must be scheduled within the first five days of the semester.
- Independent study can only be arranged with the teacher during the academic year in which the independent study will take place. A student cannot request independent study during the scheduling process.
- A student can only schedule one independent study per semester.
- A student is limited to two independent study credits during high school.

**Summer School:** Shelby High School may offer courses over the summer through our online course offerings. Students have also taken classes at PCTC or other local schools. There are many factors school districts must consider when deciding to offer summer school courses. The SHS Guidance Department is made aware of summer school opportunities in April or May, please contact them before enrolling in a summer school course.

**Incomplete Policy:** An Incomplete (I) may be given under certain situations in lieu of a grade when a student does not complete the requirements of the course. The student must make arrangements with the teacher to fulfill those requirements. Teachers must submit final grades for each student upon completion of the course, or indicate to the principal what arrangements have been made to remove the incomplete. As the need arises, accommodations for individual situations shall be made by the building principal. Each student has two weeks after the last day of the grading period to fulfill the requirements of the course, upon returning from an extended absence (three days or more). Any work not made up will be recorded as failing. Exceptions to this policy must be approved by the principal.

**Transfer Students:** Transfer students' credits will be evaluated on an individual basis as to how their former curriculum corresponds to Shelby's curriculum and requirements.

**Early Graduation:** Students who wish to graduate early must apply prior to the beginning of the student's junior year (or senior year for students completing requirements at the end of the first term of the senior year). A conference will then be held with the student, parent, counselor, and principal. The Board of Education will make the final decision on an individual basis.

**Graduation with Honors:** Shelby High School does recognize a Valedictorian. In addition, the Shelby Board of Education recognizes students as "HONOR GRADUATES, students with a cumulative weighted grade point average of at least 3.50 will receive gold cords; students with a weighted grade point average of 4.0 or higher will also receive a white stole.

## **WEIGHTED COURSES**



Shelby High School offers a number of weighted courses that are more rigorous than traditional course offerings. To reward students for taking these courses, an add-on GPA system is used. For every weighted course a student earns a grade of C or higher, we will add .05 to their cumulative GPA.

There are different categories of weighted courses, broken down as follows:

- **Advanced Placement Courses**
  - AP courses are taught at a freshman college course level
  - There are additional courses that are prerequisites to AP courses
  - Students will be prepared to take the AP Exam for the corresponding course
  - Courses:
    - AP Biology
    - AP Government
    - AP US History
    - AP Calculus
    - AP Physics 1
    - AP Physics C: Mechanics
    - AP Computer Science Principles
  
- **College Credit Plus Courses**
  - Students in these courses earn both high school and college credit
  - Only English, math, science and social studies CCP courses are weighted. Courses in other subject areas, such as business or social work, are not weighted.
  - Students must meet all requirements to be accepted into the college to be awarded college credit (certain score on ACT, Accuplacer test score)
  - College credit earned is the decision of the postsecondary institution offering the course
  - CCP courses offered at SHS:
    - English 101 (Ashland Univ)
    - English 102 (Ashland Univ)
    - Math 205 (Ashland Univ)
    - Math 206 (Ashland Univ)
    - Soc 1101 (OSU-Mansfield)
    - Biol 1110 (OSU-Mansfield)
  
- **Other Weighted Courses**
  - Some courses require a teacher recommendation
  - Courses:
    - Honors English 9, 10
    - Contemporary World Issues
    - Honors Chemistry
    - Anatomy and Physiology 2
    - Honors Algebra 2
    - Pre-Calculus
    - Spanish 3
    - Spanish 4

### **GRADING SCALES**

All SHS courses use the following grading scale:

90-100      A

80-89	B
70-79	C
60-69	D
59 and below	F

There may be some differences in the grading scale for CCP courses.  
The teacher will discuss these changes at the start of the course.

## CALCULATING QUARTER and FINAL GRADES

- To compute the final grade for a one-semester course the following formula is used:
  - $2 \times \text{first quarter \%} + 2 \times \text{second quarter \%} + \text{final exam \%} = X$
  - $X/5 = \text{final grade \%}$
  - For example The student earns a 78% first quarter, 85% second quarter and a 94% on the final exam.  $(78 \times 2) + (85 \times 2) + 94 = 84\%$  -- the student would earn a B for the course.
- To compute the final grade for a year-long course, we first calculate the semester average for both semesters. The following formula is used:
  - $\text{First quarter \%} + \text{second quarter \%} = X$
  - $X/2 = \text{semester \%}$
- We then calculate the final grade using the following formula:
  - $2 \times \text{semester 1\%} + 2 \times \text{semester 2\%} + \text{final exam \%} = X$
  - $X/5 = \text{final grade \%}$

## CALCULATING GRADE POINT AVERAGE (GPA)

We use a weighted GPA for the Honor Roll  
and a non-weighted GPA for calculating the cumulative GPA.

- **Honor Roll** – we use the grade earned each quarter to determine the Honor Roll. There are three levels for the Honor Roll: 4.0 or higher, 3.5-3.99, and 3.0-3.49. To calculate the GPA for the Honor Roll, the following formula is used:
  - Regular courses—A=4, B=3, C=2, D=1, F=0
  - Weighted courses—A=5, B=4, C=3, D=1, F=0
  - Add the numeric value of each letter grade earned and divide by the number of credits attempted.
  - Example 1: A student earns grades of A, A, B, and C in all regular courses. The numeric values are 4, 4, 3, and 2. The total is 13, which is divided by 4 for a GPA of 3.25.
  - Example 2: A student earns weighted grades of A, B, and A and a regular grade of B. The numeric values are 5, 4, 5, and 3. The total is 17, which is divided by 4 for a GPA of 4.25.
- **Cumulative GPA**
  - A student's cumulative GPA is calculated using the unweighted GPA. Students are rewarded for taking more advanced courses by the use of a GPA add-on system. For every weighted course we add .05 to the cumulative GPA. For instance, a student with a 3.8 unweighted GPA and who takes five weighted courses in high school will have .25 added to their GPA, making their cumulative GPA 4.05.

## COLLEGE CREDIT PLUS

Eligible high school students can take a course and earn high school and college credit that appears on both their high school and college transcripts. All courses offered through CCP must be the same course that the college offers and the course must apply to a degree or professional certificate. The goal of CCP is to increase the number of high school students who are college- and career-ready. The program increases the opportunity for high school students to earn college credit while in high school.

Students enrolled in a CCP course may take the course at SHS or at a local public college. There is no cost for fees or books to the student for taking courses at a public college. There may be costs incurred if a student chooses to attend a private college. The courses a student takes through the CCP program count toward the student's high school GPA. **Students who fail a CCP course may be responsible for reimbursing the District for the cost of the course.**

**All Shelby High School students, including CCP students, must be enrolled in enough classes to be considered full-time. A student taking all CCP courses must take at least between 12-15 semester hours each semester.**

CCP courses that are offered at Shelby High School include:

- English 101 (Ashland Univ)
- English 102 (Ashland Univ)
- Math 205 (Ashland Univ)
- Math 206 (Ashland Univ)
- Biol 1110 (OSU-Mans)
- SOC1101 (OSU-Mans)

The Ohio State University-Mansfield website ([www.mansfield.osu.edu](http://www.mansfield.osu.edu)) lists all of the courses that are available through the CCP program. For example, listed below are the courses in the Business Management major that a student could possibly take to earn at least 15 and 30 hours in one year:

Course	Course Title	Credits		Course	Course Title	Credits
ENGL 1110.01	English	3		ENGL	2nd writing course	3
MATH 1131	Mathematics	5		MATH	Statistics	5
ECON 2001.01	Economics	3			Visual & Performing Arts	3
SCI	Biological Science	3		ECON 2002.01	Economics	3
	Culture & Ideas	3				
	<b>Total Credits</b>	<b>17</b>			<b>Total Credits</b>	<b>14</b>

### **COLLEGE CREDIT PLUS (CCP) PROBATION OR DISMISSAL POLICY (OAC 3333-1-65.13)**

#### **UNDERPERFORMING AND INELIGIBLE STUDENTS**

Underperforming Student:

- Has a cumulative grade point average of lower than 2.0 in the college courses taken through the College Credit Plus program.
- Withdraws from, or receives no credit, for two or more courses in the same term

Ineligible Student

- a student who meets the definition of an underperforming student for two consecutive terms of enrollment.

#### **CCP PROBATION**

A student who has a CCP GPA of less than 2.0 is placed on CCP Probation. While on probation:

- The student shall enroll in no more than one college course in any term.
- The student shall not enroll in a college course in the same subject as a college course in which the student earned a grade of "D" or "F" or for which the student received no credit.
- If a student takes a college course after being placed on CCP probation and the course grade raises the student's cumulative grade point average in the student's college courses (College GPA) to a 2.0 or higher, the student shall be removed from CCP probation and may participate in the College Credit Plus program without restrictions, unless the student again becomes subject to this rule. If the student takes a college course while on CCP probation and the course grade does not raise the student's cumulative grade point average in the student's college courses (College GPA) to a 2.0 or higher, the student shall be dismissed from the program in accordance with CCP Dismissal Policy below

### **CCP DISMISSAL**

- A student who has been dismissed from the College Credit Plus program shall not take any college courses through the program. In the event the student fails to dis-enroll from courses as required by this paragraph, the secondary school shall promptly notify the student and the student's parent that the student shall be responsible for paying all tuition, fees, and textbook costs for courses from which the student was required to dis-enroll and that the student's dismissal from the program shall continue for an additional term.
- After one term of CCP dismissal, a student may request the secondary school to allow the student to participate in the college credit plus program. The school shall review the student's full high school and college academic record to determine the student's academic progress. The school shall continue the student's dismissal, place the student on CCP probation, or allow the student to participate in the program. For purposes of this paragraph, summer shall count as a term of dismissal from the program only if the student is enrolled in one or more high school courses during the summer.

### **CCP APPEAL PROCESS AND CRITERIA FOR RE-ADMISSION**

- A student who is dismissed from the college credit plus program, or is prohibited from taking a course due to probation, may appeal the decision to the High School Principal, acting as the designee for the Superintendent in this matter. The High School Principal may take into account any extenuating circumstances separate from academic performance that may have affected the student's CCP status and may do any of the following:
  - (a) Allow the student to participate in the program without restrictions
  - (b) Allow the student to take a course otherwise prohibited by probation
  - (c) Allow the student to participate in the program on CCP probation
  - (d) Maintain the student's dismissal from the program.
- The student shall request an appeal within five business days after being notified of the CCP dismissal or the CCP probation that prohibits the student from taking a course in a subject under probation. The secondary school shall promptly notify any institution of higher education in which the student is enrolled that the student has requested an appeal. The Superintendent's designee, as applicable, shall issue a decision on the student's appeal within ten business days after the date the appeal is made. The decision shall be final. The secondary school shall promptly notify any institution of higher education in which the student is enrolled of the decision.

### **CRITERIA FOR REINSTATEMENT INTO THE CCP PROGRAM**

Following one term of dismissal, a student may submit a request to the Superintendent (designee) to be reinstated to the College Credit Plus Program. Summer shall only be counted as a term if the student is enrolled in one or more high school courses during the summer. Upon receipt of the reinstatement request, the student's full high school and college academic record will be reviewed to determine whether the student has achieved academic progress and whether s/he will be reinstated on probation or without restriction.

*Reinstatement on Probation:* To be reinstated to the College Credit Plus Program on probation, the student must meet the following academic progress criteria:

- Student completes high school courses with an established grade point average of 3.0 (unweighted) in subject/content area, and
- In coordination with his/her assigned SHS counselor, establish an individual success plan to review progress toward meeting high school graduation requirements and college course options, and
- Maintain a daily attendance rate at Shelby High School of 85% or higher.

*Reinstatement without Restriction:* To be reinstated without any restrictions, the student must meet the following academic progress criteria:

- Completion of CCP course(s) with an established grade point average of a 3.0 unweighted or higher in each core subject/content area,  
and
- In coordination with his/her assigned SHS counselor, establish an individual success plan to review progress toward meeting high school graduation requirements and college course options.

If the student fails to demonstrate academic progress as defined above, the Superintendent (designee) shall extend/continue the student's dismissal for an additional term(s). During the dismissal period, the student shall remain ineligible to participate in the College Credit Plus Program until academic progress is achieved.

## **SCHEDULE CHANGES**

- Once all student schedule requests are entered into the computer the master schedule is created. Students are then assigned to courses and schedules are distributed before the summer break.
- Students having questions or needing to make adjustments to their schedules are expected to talk to a school counselor prior to the start of school.
- Once school is in session, students are expected to follow their schedule until they meet with a counselor.
- Drop/Adds to schedule for a semester or all-year course must be made within the first ten days of the class. Any drops after the tenth day may result in a **Withdraw Fail**, be listed on the student's permanent transcript, but not affect the student's GPA.
- Drop/Adds to the schedule for a quarter-length course must be made within the first five days of the class. Any drops after the fifth day may result in a **Withdraw Fail**, will be listed on the student's permanent transcript, but not affect the student's GPA.
- Seniors who change their schedule in order to have a first or fourth-block study hall will be required to attend study hall for the first quarter of the semester.
- Allowable schedule changes:

- Schedule conflicts/errors
- Educational reasons, such as credit deficiencies or required courses needed.
- Changes due to the completion of summer school courses
- Changes that are in the long-range academic best interest of students will be considered with consultation among student, parent, teacher, counselor, and/or principal.

## **SHS ACADEMIC LETTER**

To be eligible to earn a Shelby High School academic letter, students must meet the following criteria:

**Freshman & Sophomores:** Minimum 3.75 weighted GPA for the school year and a minimum of **10** points from the list of approved activities.

**Juniors & Seniors:** Minimum 3.75 weighted GPA and a minimum of **20** points from the list of approved activities.

Students must be actively involved members of the activity in good standing and maintain that involvement and standing through the completion of the activity/season. Points are determined at the end of the 3<sup>rd</sup> marking period.

Involvement, as described above in each activity listed below, is 5 points. (Involvement in one or more athletic teams/cheerleading squads is 5 points total for each school year). Approved activities are

Academic Challenge	FCCLA	Math League	Athletic Team	FFA
Campus Life	GOLD	Whippet Elite	Choir	Interact
Writing Club	Drama Club	Marching Band	Yearbook	Student Council

\*Similar Pioneer activities/groups/clubs or other PCTC activities approved by the HS Principal.

\*Other involvement in school, civic, and/or religious-oriented activities/groups/clubs approved by the HS Principal. Examples may include: 4-H Club, Boy Scouts Of America, Girl Scouts Of America, Church Youth Group

**Please note: the above examples must be approved prior to the deadline date and must include a statement of participation signed by your club advisor.**

## **COLLEGE VISITS**

We believe that visiting campuses is a vital part of the college selection process, and we encourage students to visit colleges in which they are interested. Many colleges offer visitation days on Saturdays or visits can be made during the week.

## **ATHLETIC ELIGIBILITY**

Those students participating in athletics (including cheerleading) must meet the academic requirements that have been established by the Ohio High School Athletic Association (OHSAA). Students who wish to participate in athletics must earn at least a 1.0 GPA and pass the equivalent of 5 credits each quarter. Students who are enrolled in CCP must check with the principal in order to ensure they are enrolled in enough classes to meet the 5 credit requirement. In order to protect eligibility, we encourage students who intend to participate in athletics to sign up for four classes each semester. It is the responsibility of the student-athlete to maintain eligibility.

There are many other rules and regulations that have been established by OHSAA regarding student eligibility. Parents and students who wish to be involved in athletics must attend a yearly informational meeting. The agenda for this meeting is established by OHSAA and is a requirement of participation. More information on athletics can be found at the OHSAA website at [www.ohsaa.org](http://www.ohsaa.org).

## **HONORS DIPLOMA REQUIREMENTS**

The basic diploma requirements are the same. Click on the links for the requirements for the different Honors Diplomas:

- [Academic Honors Diploma](#)- This diploma is for students who exceed Ohio's graduation requirements. There is a focus on high-level coursework, college and career readiness tests, and real-world experiences. [Academic Honors Diploma](#)
- [Career Tech Honors Diploma](#)- This diploma is for students who focus on the Career Tech pathway. Students who attend Pioneer Career Technology Center have more of an opportunity to earn this diploma. [Career Tech Honors Diploma](#)
- [STEM Honors Diploma](#)- This diploma is for those students who focus on science, technology, engineering, or math courses. [STEM Honors Diploma](#)
- [Arts Honors Diploma](#)- This diploma is for those students who focus on fine arts courses. This can be either 2D/3D art or performing arts. [Arts Honors Diploma](#)
- [Social Science and Civic Engagement Honors Diploma](#)- This diploma is for those students who focus on social studies courses and community service/involvement. [Social Science and Civic Engagement Honors Diploma](#)

## GUIDANCE DEPARTMENT

### FOUR YEAR EDUCATIONAL PLAN

Attention: This educational plan gives you and your parents an opportunity to focus on the many courses that are available to you. This is a FLEXIBLE plan and MAY be changed from year to year.

NAME: \_\_\_\_\_ CAREER GOAL: \_\_\_\_\_  
 DATE: \_\_\_\_\_ GRADUATION DATE: \_\_\_\_\_

Type of Diploma Being Pursued:      • Regular      • Honors      (Please Check One)

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade	
COURSE	CREDIT	COURSE	CREDIT
English 9	1.0	American History	1.0
Math	1.0	Math	1.0
Physical Science	1.0	Biology	1.0
Modern World History	1.0	Physical Education*	.25
Physical Education*	.25	English 10	1.0
Future Ready	.50	Health	.50
TOTAL		TOTAL	
11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
COURSE	CREDIT	COURSE	CREDIT
English	1.0	English	1.0
Math	1.0	Government/Economics	1.0
Chemistry	1.0	Math (Alg II or beyond)	1.0
Financial Literacy	1.0		
TOTAL		TOTAL	

\*A student may waive the physical education requirement for graduation through participation in **two** seasons of sports, cheerleading or marching band.



**SHS PHYSICAL EDUCATION GRADUATION REQUIREMENT  
WAIVER APPLICATION**  
**(available at: [www.shelbyk12.org/shs/guidance](http://www.shelbyk12.org/shs/guidance))**

In January of 2007 the Ohio Legislature passed Senate Bill 311 Provision (L). Sec. 3313.603 (L) reads:

Notwithstanding anything to the contrary in this section, the board of education of each school district and the governing authority of each chartered nonpublic school may adopt a policy to excuse from the high school physical education requirement each student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons. If the board or authority adopts such a policy, the board or authority shall not require the student to complete any physical education course as a condition to graduate. However, the student shall be required to complete one-half unit, consisting of at least sixty hours of instruction, in another course of study.

A Shelby High School student **may** waive the PE graduation requirement by participating in two of any combination of the following activities:

- A complete season as an athlete of any Shelby High School OHSAA recognized sport.
- A complete season as a Shelby High School cheerleader.
- A complete season as a member of the Shelby Whippet Marching Band.

**The student must complete two complete seasons for the waiver.  
Completion of one season does not partially waive the PE requirement.**

The waiver provides no actual credits. Students must complete an additional half-credit to meet the 21-credit graduation requirement. The PE waiver may not be transferable to another school district.

Student Name \_\_\_\_\_

Expected Graduation Year \_\_\_\_\_

Sport/Activity \_\_\_\_\_ Year \_\_\_\_\_

Office Use. Do not complete.

Verification \_\_\_\_\_ Date \_\_\_\_\_

Sport/Activity \_\_\_\_\_ Year \_\_\_\_\_

Office Use. Do not complete.

Verification \_\_\_\_\_ Date \_\_\_\_\_

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_

**Return to HS Athletic Director or HS Band Director**

AFTER completion of both activities.

## Shelby High School Academic Letter Application

Name: \_\_\_\_\_ Grade: \_\_\_\_\_

If you are a:	Your GPA must be:	Points needed:
Freshman/Sophomore	3.75	10
Junior/Senior	3.75	20

### Involvement in any of the clubs below: 5 points

Academic Challenge	FCCLA	Math League
Athletic Team	FFA	Student Council
Campus Life	GOLD	Writing Club
Choir	Interact	Yearbook
Drama Club	Marching Band	

\*Similar Pioneer activities/groups/clubs or other PCTC activities approved by the HS Principal.

\*Other involvement in school, civic and/or religious-oriented activities/groups/clubs approved by the HS Principal.

**Example: 4-H CLUB, BOY SCOUTS OF AMERICA, GIRL SCOUTS OF AMERICA, CHURCH YOUTH GROUP.**

**Please note: the above examples must be approved prior to the deadline date and must include a statement of participation signed by your club advisor.**

**LIST THE CLUB OR ACTIVITY YOU HAVE PARTICIPATED IN BELOW:**

Name of Club	Advisor Signature	Points
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Applications are due the last school day of March by 3:00 p.m. in the  
Guidance Office**

**We will NOT accept late applications!**

## **SHS COURSES**

**Fee amounts listed are subject to change for the school year 2025-2026.**

### **AGRICULTURE EDUCATION COURSES**

Agriculture Education establishes the basic foundation of agriculture tasks necessary for the application of a career in the agricultural industry (not specifically farming).

***Students who take an Ag course will also pay FFA yearly dues.***

#### **1200 AGRICULTURE, FOOD & NATURAL RESOURCES**

1 CREDIT

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology, and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership, and business skills essential to the agriculture industry.

#### **1205 ANIMAL AND PLANT SCIENCE**

1 CREDIT

PREREQUISITE: AFNR

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies, and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

#### **1210 MECHANICAL PRINCIPLES**

1 CREDIT

PREREQUISITE: AFNR

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of the site and personal safety as well as communication and leadership skills.

#### **1215 LIVESTOCK SELECTION, NUTRITION & MGMT.**

1 CREDIT

PREREQUISITE: AFNR

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities, and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout

the course, students will develop management plans reflecting practices for care and legal compliance.

### **1220 BUSINESS MGMT FOR AG & ENVIRONMENTAL SYSTEMS**

1 CREDIT

PREREQUISITE: AFNR

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports, and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion, and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

### **1225 ANIMAL HEALTH**

1 CREDIT

Students will examine causes, symptoms, and treatment of common diseases with emphasis on developing preventative health management plans. Topics will include the study of pathogens, and classifying types of diseases and disorders. Students will perform animal health assessments and compare them to standard characteristics. Throughout the course, students will utilize principles of technology to manage information systems, and research issues affecting the industry.

## **ART COURSES**

### **1300 INTRODUCTION TO ART**

1 CREDIT

Intro to Art serves the aim of personal development by providing individuals with the opportunity to acquire and develop their powers of expression by visual means. The development of the students' imagination will be the basic concept. Discovering ideas by experimenting with various materials. Studio production activities will be stressed, with emphasis on fundamental 2D & 3D design through introductory drawing, painting, ceramics, and sculpture.

### **TWO-DIMENSIONAL ART COURSES:**

### **1320 2D DESIGN**

1 CREDIT

PREREQUISITE: INTRO TO ART

2D DESIGN is a personal development course with an emphasis on technique and craftsmanship. A wider range of 2D materials and subject matter will be incorporated into the program. 2D DESIGN will continue to build on the basic elements and principles of design. The students will be exposed to Art History but, again, studio activities will remain a primary focus, with emphasis on drawing, painting, graphic design & printmaking.

### **1330 2D STUDIO**

1 CREDIT

PREREQUISITE: GRADE OF B OR BETTER IN 2D DESIGN

Students have developed their interest in art and are working toward higher-level skill development. Personal development and expressions will be the basic goal of 2D STUDIO Concepts of design will still be studied but the students will be allowed more freedom in the selection of 2D media, artistic approach, and subject matter. Studio activities will be the basis of the class with the craftsmanship of utmost importance. Emphasis will be on the individual's 2D focus and self-expression.

### **1340 ADVANCED 2D**

1 CREDIT

PREREQUISITE: GRADE OF B OR BETTER IN 2D STUDIO

Students are highly motivated and working toward high-level skill development and expression or possibly a career in art. This course will build upon previous individual experience with emphasis on continued skill development and exploration with their chosen focus.

### **THREE-DIMENSIONAL ART COURSES:**

#### **1325 3D DESIGN**

1 CREDIT

PREREQUISITE: INTRO TO ART

3D DESIGN is a personal development course with an emphasis on technique and craftsmanship. A wider range of 3D materials and subject matter will be incorporated into the program. 3D DESIGN will continue to build on the basic elements and principles of design. The students will be exposed to Art History but, again, studio activities will remain a primary focus, with emphasis on sculpture techniques, ceramics, metal, wire & various processes such as carving and modeling.

#### **1335 3D STUDIO**

1 CREDIT

PREREQUISITE: GRADE OF B OR BETTER IN 3D DESIGN

Students have developed their interest in art and are working toward higher-level skill development. Personal development and expressions will be the basic goal of 3D STUDIO. Concepts of design will still be studied but the students will be allowed more freedom in the selection of 3D media, artistic approach, and subject matter. Studio activities will be the basis of the class with the craftsmanship of utmost importance. Emphasis will be on the individual's 3D focus and self-expression.

#### **1345 ADVANCED 3D**

1 CREDIT

PREREQUISITE: GRADE OF B OR BETTER IN 3D STUDIO

Students are highly motivated and working toward high-level skill development and expression or possibly a career in art. This course will build upon previous individual experience with emphasis on continued skill development and exploration with their chosen focus.

## **COMPUTER COURSES**

### **Computer Gaming (Zulama) Software**

#### **1500 EVOLUTION OF GAMES**

½ CREDIT

This course gives students a chance to explore ancient cultures and find out how their games were designed using available technology and resources. Students will prototype and play board and digital games, and they'll get hands-on experience creating their own original game. The goal of the class is to articulate how similar game design mechanics are found in both ancient and modern games

#### **1510 GAMEMAKER PROGRAMMING**

1 CREDIT

In GameMaker programming, students learn concepts taught in a college-level "Programming 101" course and work in teams to build two dimensional (2D) games. Using GameMaker Studio, they develop core computing knowledge that can be transferred to other programming languages like Python, Java, and C++. When finished, students will have games that can be played with friends and added to a digital portfolio.

#### **1520 MOBILE GAME DESIGN**

1 CREDIT

In this course, students use professional game design techniques to create playable mobile games that they can add to their game design portfolio. Using GameFroot, students will learn the fundamentals of game balance, apply competition and playfulness, demonstrate a working knowledge of triangularity, and debug using iterative game design.

### **1530 3D MODELING**

½ CREDIT

Interacting with digital, three-dimensional art is a regular part of life today – in movies, video games, architecture, commercials, and animation. In 3D Modeling, students will learn 3D modeling techniques that professionals use. They'll use AutoDesk Fusion 360 to manipulate and sculpt pure imagination into substantial digital art, resulting in a portfolio of original projects that they can use when applying for an internship, higher education, or a job.

## **COMPUTER SCIENCE COURSES**

### **1550 INTRODUCTION TO COMPUTER SCIENCE**

1 CREDIT

PREREQUISITE- ALGEBRA 1

An interactive introductory course for students new to programming that teaches the foundations of computer science using the Python language. Not only will this course prepare students for AP Computer Science A and AP Computer Science Principles, but it will teach students how to think computationally and solve complex problems, skills that are important for every student. The course will also study mobile app development using Android Studio.

### **1565 AP COMPUTER SCIENCE A**

1 CREDIT

PREREQUISITE- INTRO TO COMPUTER SCIENCE, ALGEBRA 2

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

## **ENGLISH COURSES**

### **0300 ENGLISH 9**

1 CREDIT

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. It is based on Ohio's Learning Standards for English Language Arts and Ohio's Model Curriculum as adopted by the Ohio Department of Education for English Language Arts (ELA) 1. This college preparatory course provides the student with intensive instruction and practice in the skill of written expression. Students are expected to demonstrate an ability to write in a clear, concise, and persuasive manner. They are introduced to the study of selected novels, plays, short stories, poetry and nonfiction. Throughout the course vocabulary, word origins, syntax, and grammar are stressed. Students are provided with ample opportunities for oral discussions. Students must complete a research project using the MLA format to receive course credit.

### **0301 ENGLISH 9 HONORS**

1 CREDIT

PREREQUISITE: APPLICATION FOR APPROVAL AND COMPLETION OF SUMMER READING ASSIGNMENT

This course meets all of the criteria of English 9 and is intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take English 9 Honors should have high achievement test scores and exhibit excellent proficiencies in writing and reading skills. The aim of this Honors course is to help students develop an in-depth understanding of the various forms of literature while strengthening their writing skills. The English 9 Honors course serves as the first installment of the foundations for the AP Language and Literature courses.

### **0302 ENGLISH 10**

1 CREDIT

PREREQUISITE: ENGLISH 9

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. It is based on Ohio's Learning Standards for English Language Arts and Ohio's Model Curriculum as adopted by the Ohio Department of Education for English Language Arts (ELA) 2. This course focuses on developing reading, writing, and vocabulary skills, with an emphasis on paragraph development, transitions, and organizational techniques for essay writing. Students will engage with diverse literary genres, including novels, drama, short stories, poetry, nonfiction, and film, to foster analytical thinking, meaningful discussion, and analysis skills.

### **0303 ENGLISH 10 HONORS**

1 CREDIT

PREREQUISITE: RECOMMENDATION OF MOST RECENT ENG TEACHER

This course meets all of the criteria of English 10 and is intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take English 10 Honors should have high achievement test scores and exhibit excellent proficiencies in writing and reading skills. The aim of this Honors course is to help students develop an in-depth understanding of the various forms of literature while strengthening their writing skills. The English 10 Honors course serves as the second installment of the foundations for the AP Language and Literature courses.

### **0305 ENGLISH 11 CORE**

1 CREDIT

PREREQUISITE: ENGLISH 10

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. English 11 Core consists of a review of the disciplines of grammar and rhetoric for the purpose of achieving more effective communications. Vocabulary study also encourages improvement in written communication. The focus will be on providing students with the key skills needed to successfully enter the working world. This course is designed for students planning on enlisting in the military or entering the workforce after high school.

### **0306 ENGLISH 11 COLLEGE PREP**

1 CREDIT

PREREQUISITE: ENGLISH 10

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. It is based on Ohio's Learning Standards for English Language Arts and Ohio's Model Curriculum as adopted by the Ohio Department of Education. This course provides students with instruction and practice to help them evaluate the ideas expressed in the material read, to relate the universality of these ideas to their own world, and to evaluate and present material in a logical, organized manner both in written and oral forms. This course is designed for students who plan to attend college after high school.

**0307 ENGLISH 12 CORE**

1 CREDIT

PREREQUISITE: ENGLISH 11 OR ENGLISH 11 CORE

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirements for graduation as one of the four English credits required toward graduation. English 12 Core consists of a review of the disciplines of grammar and rhetoric for the purpose of achieving more effective communications. Vocabulary study also encourages improvement in written communication. The focus will be on providing students with the key skills needed to successfully enter the working world. This course is designed for students who plan to enlist in the military or go directly into employment.

**0308 ENGLISH 12 COLLEGE PREP**

1 CREDIT

PREREQUISITE: ENGLISH 11 COLLEGE PREP

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. It is based on Ohio's Learning Standards for English Language Arts and Ohio's Model Curriculum as adopted by the Ohio Department of Education. This course is designed as a bridge between high school and post-secondary opportunities. All course content is aligned with our philosophy that students need to be intelligent, productive members of society who can read, speak and write articulately about modern issues and complex concepts. Students must complete a research project to receive course credit.

**ENG 101 - ENGLISH COMPOSITION I**

1 CREDIT/3 College Credits

This is the first course in Ashland University's two-semester writing sequence and stresses the development of effective grammatical and rhetorical form through the assignment of expository and argumentative writing projects. Students will learn to reflect on ideas and observations, to use writing as a tool to sharpen those ideas, to reflect on their own writing process, and to use and cite sources accurately. Meets Core credit for composition I. This is a CCP course and students must meet admission criteria for Ashland University in order to enroll.

**ENG 102 - ENGLISH COMPOSITION II**

1 CREDIT/3 College Credits

English 102 is the second course in Ashland University's two-semester writing sequence and involves continued emphasis on the writing process, critical thinking, close reading, the rhetorical nature of language, and research skills. The course requires frequent writing. Meets Core credit for composition II. This is a CCP course and students must meet admission criteria for Ashland University in order to enroll.

**0330 CREATIVE WRITING**

½ CREDIT

PREREQUISITE: GRADES 10,11,12

This is a dynamic, hands-on course designed for students who want to explore and refine their writing talents. Through a variety of writing exercises, students will learn to craft compelling stories, vivid poetry, engaging scripts, and other creative forms. The course emphasizes the development of voice, style, and originality while building essential skills in brainstorming, drafting, revising, and peer editing. Students will analyze works by renowned authors for inspiration and participate in workshops to share their work and provide constructive feedback. By the end of the course, students will compile a polished portfolio showcasing their creative growth and literary achievements. Perfect for aspiring writers, this course nurtures creativity and self-expression.

**0335 FILM AS LITERATURE**

½ CREDIT



**PREREQUISITE: GRADES 10,11,12**

This is a unique course that explores the art of storytelling through the medium of film, treating movies as a form of literary expression. Students will analyze cinematic techniques, themes, and narratives, comparing them to traditional literary elements such as character development, symbolism, and plot structure. The course examines various film genres, directors, and historical contexts, encouraging students to critically evaluate how films convey meaning and evoke emotional responses. Through discussions, written analyses, and creative projects, students will develop a deeper understanding of visual storytelling and its cultural impact, gaining an appreciation for film as a powerful form of literature.

**0340 PODCASTING**

½ CREDIT

**PREREQUISITE: GRADES 10,11,12**

This is an innovative course that introduces students to the art and techniques of creating compelling audio content. Students will learn the fundamentals of storytelling, scriptwriting, interviewing, audio recording, and editing. The course emphasizes creativity, communication, and technical skills as students design, produce, and publish their own podcasts on topics of interest. Through hands-on experience with audio software and equipment, as well as analysis of popular podcasts, students will gain insights into effective audience engagement and digital media production. By the end of the course, students will develop a professional portfolio of podcast episodes, showcasing their ability to inform, entertain, and inspire through this dynamic medium.

**0345 DIGITAL MEDIA**

1

CREDIT

**PREREQUISITE: GRADES 10, 11, 12**

This is a dynamic course that equips students with the skills and knowledge to create impactful multimedia content for communication and storytelling. Students will explore the fundamentals of video production, audio recording, editing, and digital design, using professional tools and software. The course emphasizes both technical proficiency and creative expression as students work on projects such as advertisements, documentaries, news segments, and promotional videos. Topics include scriptwriting, camera techniques, lighting, sound design, and post-production workflows. Through hands-on projects and collaborative work, students will develop communication skills and a strong foundation for careers in media, broadcasting, and digital content creation.

**0321 YEARBOOK I**

1 CREDIT

**PREREQUISITE: 10,11, 12, "B" OR ABOVE IN ENGLISH**

Students study the principles of layout, design, copywriting and caption composition as practiced in yearbook journalism. Students plan, design layout, photograph and write copy for the yearbook. Financing the book by selling subscriptions and advertising is discussed and performed by the students. Specific Yearbook objectives are to

1. develop organization and teamwork within the class
2. meet deadlines
3. write caption copy effectively
4. write thorough and interesting copy
5. use interviewing skills
6. make money through advertisements
7. take and crop effective pictures
8. practice proper layout and design techniques
9. successfully market a product
10. use desktop publishing

Students must be available in the summer after the end of the school year to finish their assigned sections. All prospective students are required to complete an application packet, which is available from the guidance office. Teacher recommendations will also be used to evaluate student applications. Since there are usually more applicants for this class than available spots, the advisor will select the most qualified applicants and will notify the students of their status in the class as soon as possible.

### **0322 YEARBOOK II**

1 CREDIT

PREREQUISITE: 11, 12, YEARBOOK I, "B" OR ABOVE IN ENGLISH

Yearbook II students share their expertise and experience with Yearbook I students. They supervise the less experienced students with the main objective of producing an excellent Yearbook. Specific objectives are the same as Yearbook I. Students must be available in the summer after the end of the school year to finish their assigned sections.

These students will be evaluated by the yearbook advisor based upon work completed in Yearbook I and a written essay assigned by the yearbook advisor.

## **FAMILY & CONSUMER SCIENCES COURSES**

*Any student who takes any FCS course will pay a yearly FCCLA dues payment of \$15 per student.*

### **1400 PRINCIPLES OF FOOD**

Fee \$20

½ CREDIT

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

### **1405 CULINARY FUNDAMENTALS**

Fee \$20

½ CREDIT

PREREQUISITE: PRINCIPLES OF FOOD

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

### **1410 GLOBAL FOODS**

Fee \$20

½ CREDIT

PREREQUISITE: CULINARY FUNDAMENTALS

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

### **1415 CHILD DEVELOPMENT**

Fee \$15

½ CREDIT

In this course, students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social, and emotional growth and development. Additional topics will include human characteristics and traits, genetic defects, parenting styles, and responsibilities, and cultural differences within a family unit and community.

### **1420 CAREER AND COLLEGE READINESS**

Fee \$10

½ CREDIT

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and

participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict resolution, negotiation, leadership, and entrepreneurship.

**1425 LEADERSHIP AND COMMUNITY ENGAGEMENT** Fee \$10 ½ CREDIT

In this course, students will learn how to become active community members and citizens. An emphasis will be placed on in-service learning, leadership training, and team building opportunities. Additional topics will include public policy issues, community, and global engagement.

**1430 TEXTILE DESIGN, CONSTRUCTION, & MAINTENANCE** Fee \$20 ½ CREDIT

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

**FOREIGN LANGUAGE COURSES**

Students intending to begin the first credit of a foreign language should have at least a “B” in English or an “A” in 8th grade English or permission from the counselor or instructor.

**0701 SPANISH 1** 1 CREDIT

This is an introduction to the Spanish language with beginning emphasis on an aural oral approach (hearing and speaking) and then moving into reading and writing. Basic grammar is learned in conversation and reinforced in notes and homework practice. Dialogues of everyday situations are used for practice and response. Included are many structures along with basic verb forms and tenses.

**0702 SPANISH 2** 1 CREDIT

PREREQUISITE: SPAN 1

Spanish 2 is a continuation of Spanish 1, using the same textbook series. Emphasis will continue in grammar, vocabulary building, speaking, and listening. More reading and self-expressive writing will be introduced.

**0703 SPANISH 3** 1 CREDIT

PREREQUISITE: SPAN 2 AND RECOMMENDATION FROM THE SPANISH 2 TEACHER.

This is a weighted course. In Spanish 3 there is much more speaking. We use the language to simulate real-life situations, as well as creative skits that help reinforce culture, grammar, and vocabulary building. Special individual projects that require good dictionary and technological skills help students improve their reading comprehension and writing composition skills. The textbook series remains the same.

**0704 SPANISH 4** 1 CREDIT

PREREQUISITE: SPAN 3 AND RECOMMENDATION FROM THE SPANISH 3 TEACHER.

This is a weighted course. Spanish 4 reviews verb tenses and grammatical structures learned in Spanish 2 and Spanish 3 and applies them to writing and conversation. Spanish and Latin American literature is included. Whenever possible, exchange students from Spanish-speaking countries are enrolled in the class to provide authentic language and cultural sharing.

**0711 AMERICAN SIGN LANGUAGE 1 (3410 ASL 2, 3420 ASL 3)** 1 CREDIT

PREREQUISITE: GRADE 10 OR HIGHER (PREFERENCE GIVEN TO 10TH AND 11TH GRADERS, AS 2 YEARS THE PROGRAM IS DESIRED). APPLICATION REQUIRED. MINIMUM ‘B’ IN PREVIOUS YEAR ASL, MINIMUM ‘C’ AVERAGE IN HS ENGLISH COURSES.

Shelby High School is able to deliver American Sign Language through The Ohio School for the Deaf. American Sign Language (ASL) classes provide a variety of resources designed to support the goals of the class. Learning any language requires time and practice. You will enjoy building your knowledge of ASL to be able to communicate with a friend or family member. Students learn through communication activities including group practice, live lessons, and lesson dialogues. A live teacher delivers instruction weekly through video conferencing, and strict deadlines for assignments are weekly. Students are required to video record themselves while signing.

## **HEALTH AND PHYSICAL EDUCATION COURSES**

### **0800 HEALTH**

½ CREDIT

The World Health Organization defines health as "a state of complete physical, mental, and social wellbeing not merely the absence of disease or infirmity." In the face of this definition, it is the responsibility of this course to offer suggestions on how to maintain good health and to couple this knowledge with a desire to achieve the highest degree of physical and mental fitness.

To accomplish the above-mentioned goal, the following objectives are sought: to continue to develop a positive self-concept that will enhance good decision-making skills, and to provide a variety of meaningful experiences which will influence the acquisition of knowledge and the development of attitudes and skills needed to cope successfully with the problems in our changing world.

### **0805 PHYSICAL EDUCATION**

¼ CREDIT

Students will need to take this course twice during high school to meet graduation requirements.

The general function of Physical Education in secondary school is to assist in providing a medium for normal growth and natural development of each student. This program will emphasize such phases of education as the physical, mental, social, and recreational welfare of each pupil. Proper dress and the habit of regular participation are expected.

The program will consist of units of rhythmic activities, individual sports, team sports, and physical fitness/weight training. Every effort is made to develop life-long skills and knowledge in these activities and to derive a reasonable amount of satisfaction from participation. The Physical Education program will provide opportunities for the individual to act in situations that are physically wholesome, mentally stimulating, emotionally satisfying, and socially sound. The activities selected will involve an interrelationship of knowledge, skills, and performance.

## **INTRODUCTION TO EDUCATION & PROFESSIONS**

### **1700 FOUNDATIONS OF EDUCATION AND TRAINING**

1 CREDIT

PREREQUISITE: GRADES 11 or 12

In this first course in the career field, students will examine the goals of education and training as well as environments in which education and training are delivered. They will identify learners' and stakeholders' roles, rights and responsibilities in educational systems; assess legal and ethical issues related to education; and determine careers of interest in education and training. Employability skills and state requirements for becoming an educator will also be addressed.

### **1701 EDUCATION PRINCIPLES**

1 CREDIT

PREREQUISITE: GRADES 11 or 12

In the first course in the pathway, students will research the historical perspectives and theories of education used in the forming of their own personal educational philosophy. Students will assess legal, ethical and organizational issues. Additionally, students will assess developmental appropriate practices and identify challenging issues associated with teaching children with diverse needs. Career planning, professional guidelines and ethical practices will also be emphasized.

## **MATHEMATICS COURSES**

### **0400 ALGEBRA 1**

1 CREDIT

Algebra is the branch of mathematics that investigates the relationships of numbers using symbols (usually letters of the alphabet) to represent numbers. It is essentially a generalization of the process of calculation. This course will develop the students' understanding of the basic concepts of elementary algebra, and help them acquire important manipulative algebraic skills. Some of the course topics include: solving graphing and writing linear equations and inequalities, exponents, polynomials, factoring, quadratic equations. It is strongly recommended that students have a Ti-84 calculator for this class.

### **0410 GEOMETRY**

1 CREDIT

PREREQUISITE: ALGEBRA 1

Geometry is the branch of mathematics that is made up of the study of points, lines, and planes. It also includes finding lengths, areas, and volumes of geometric figures. Some of the topics of this course are lines and angles on a plane and in space, congruent triangles, properties of triangles and quadrilaterals, constructions, similarity, right triangles, and trigonometry.

### **0420 MATH MODELING AND REASONING (MMR)**

1 CREDIT

PREREQUISITE: ALGEBRA 1 & GEOMETRY

This course is an elaboration of Algebra 1 and an introduction to higher level mathematics. The course meets the requirement for Algebra 2 credit. MMR focuses on the same standards and topics as Algebra 2 such as and not limited to functions, linear systems, matrices, quadratic functions, an introduction to the complex number system, radical functions, probability, basic trigonometry, and an introduction to series and sequences. MMR is not a standard math class. The lessons are introduced by focusing on hands-on activities and real world models to encourage the use of logic and higher order thinking. This class is intended for non-college bound students or college bound students not majoring in a math, science, or a computer field. It is highly recommended that students have their own graphing calculator (TI 83 or 84).

### **0430 ALGEBRA 2**

1 CREDIT/1 SEMESTER

PREREQUISITE: ALG 1 & GEOM

Algebra 2 is a non-weighted class that introduces students to advanced functions, with a focus on developing a strong conceptual grasp of the expressions that define them. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. This course is recommended for NON STEM college-bound students and is a prerequisite for higher mathematics courses at SHS. Topics include quadratic equations, polynomial functions, rational expressions and equations, radical expressions and equations, exponential and logarithmic functions, matrices, and trigonometry. Students that complete Alg 2 will have the opportunity to take Pre-Calculus and Math 205 (Calculus 1) the following year with teacher approval or Statistics the following year. It is strongly recommended that students have a Ti-84 calculator for this class.

### **0440 HONORS ALGEBRA 2**

1 CREDIT

PREREQUISITE: ALG 1 & GEOM WITH TEACHER APPROVAL

Honors Algebra 2 is a weighted class that introduces students to advanced functions, with a focus on developing a strong conceptual grasp of the expressions that define them. Students MUST have approval from former math teachers to be placed in Honors Alg 2. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate

their knowledge in new situations. This course is recommended for STEM college-bound students and is a prerequisite for higher mathematics courses at SHS. Topics include quadratic equations, polynomial functions, rational expressions and equations, radical expressions and equations, exponential and logarithmic functions, matrices, and trigonometry. Students who complete Honors Alg 2 will have the opportunity to take Pre-Calculus and Math 205 (Calculus 1) or Statistics the following year. It is strongly recommended that students have a Ti-84 calculator for this class.

### **0460 PROBABILITY & STATISTICS**

1 CREDIT

PREREQUISITE: ALGEBRA 2 HONORS, ALGEBRA 2, or MMR

This course should be selected by anyone who enjoys studying mathematics. The first half of Probability and Statistics is devoted to the study of combinatorics and probability. Combinatorics is the mathematical term for the study of techniques that can be used to answer the question - "How many ways can this be done?" The second half of Probability and Statistics is split between descriptive statistics or the collection and organization of data; and inferential statistics, which involves making decisions based on the data.

### **0470 PRE-CALCULUS**

1 CREDIT

PREREQUISITE: HONORS ALG 2 *or* ALGEBRA 2 WITH TEACHER APPROVAL

This is an Honors/STEM pathway semester course. Pre-Calculus should be taken by any student planning on studying a STEM field in college or just loves and is good at math. The course can be taken by students who completed Honors Algebra 2 or Algebra 2 with Teacher approval. The first nine weeks of this course will cover pre-calculus topics such as vectors, decomposition of partial fractions, Zeno's Paradox, summation notation, parametric graphing, polar graphing, and logarithms and exponent rules. The second nine weeks of this class is actual college Calculus I (Math 205). We will discuss the concepts of limits and derivatives during the second nine weeks. Calculus grades from the second nine weeks will carry over into the actual class of Calculus I to complete a CCP grade for MATH 205 through Ashland University for those who qualify. It is strongly recommended that students have a Ti-84 calculator for this class.

### **CALCULUS I (CCP MATH 205)**

1 CREDIT

PREREQUISITE: honors PRE-CALC

This is an Honors/STEM pathway semester course! Honors Pre-Calculus must be taken before this course. College credit for Math 205 through Ashland University is possible for this course automatically with a 28 math ACT score or a 22 ACT math score with administration/guidance/teacher permission. All students must also have CCP paperwork filled out through guidance the spring before to be able to receive the college credit. See guidance if you have any questions about this. The course will study derivatives, application of derivatives, and basic integration techniques. It is highly encouraged that all students that will not get a college degree within a math or science field in college to take this course as free college credit while in high school as their replacement for their required math class in college. It is strongly recommended that students have a Ti-84 calculator for this class.

### **Honors CALCULUS II (CCP Math 206):**

1 CREDIT

PREREQUISITE: HONORS CALCULUS I (MATH 205)

This is an Honors/STEM pathway yearlong course on M W F with office hours on T and R. Calculus I (math 205) must be taken before this course and should be taken by any student planning on studying a math/science/computer field in college. Math 206 through Ashland University is possible for all students who received college credit for Math 205 the year before. All students must also have CCP paperwork filled out through guidance the spring before to be able to receive the college credit. See guidance if you have any questions about this. The course will study finding volume, arc length, surface area, numerous integration techniques, the convergence/ divergence of sequences, and polar and parametric functions. By receiving college credit for this course, the student will have completed

their entire freshman year of college Calculus courses! It is strongly recommended that students have a Ti-84 calculator for this class.

## **MUSIC COURSES**

### **0900 BAND**

1 CREDIT

PREREQUISITE: 8<sup>TH</sup> GRADE BAND OR EQUIVALENT THROUGH PRIVATE INSTRUCTION

This is a full-year course, no partial credit will be awarded. Credit will only be awarded at the end of the academic year. This co-curricular course exposes students to the expansive realm of instrumental music. Students will learn the fundamentals, appreciation, and history of music through a variety of repertoire, and performances in the marching and concert setting. Participation in the band requires attendance to all events and activities both during and outside of the school day. Such events include (but are not limited to) summer rehearsals, band camp, after-school rehearsals, football games, parades, concerts, etc.

### **0910 MUSIC THEORY**

½ CREDIT

This is an introductory class to the fundamentals of music theory and aural development. Students will learn about the structure, functionality, instrumentation, and analysis of music.

### **0911 ADVANCED MUSIC THEORY**

1 CREDIT

This course expands upon basic music theory with a greater focus on counterpoint, voice writing, harmonic analysis, structure and form, and aural training. This course is strongly suggested for those interested in pursuing a career in music.

### **0920 CHOIR**

1 CREDIT

As co-curricular classes, members of the Symphonic Choir are expected to attend extra rehearsals and performances scheduled outside of the school day. The goal of Symphonic Choir is to attain the highest level of musical understanding and to gain sufficient proficiency in singing, encouraging students to be active participants in musical activities throughout life. Vocal areas covered in both choirs include breathing, note reading, diction, and listening skills. Theory, history, and a wide variety of musical styles are studied. Membership in all choirs is by audition only.

### **0930 MUSIC APPRECIATION**

½ CREDIT

Music appreciation will provide an opportunity for those interested in music, to gain a better understanding of the language of music scales, key signatures, notation, ear training, and listening skills. The history and literature of Western Art Music will also be explored.

### **0935 POP MUSIC**

½ CREDIT

This is a survey course of “pop” music from its roots in the 50’s Rhythm and Blues to its destination in the 21<sup>st</sup> century. This course is for all students. Learn more about your favorite performers and their music such as Elvis Presley, The Beatles, The Rolling Stones, The Doors, Bruce Springsteen, and anyone else you can or will find in the Rock and Roll Hall of Fame.

### **0940 MUSIC THEATER**

1 CREDIT

The Music Theatre class is designed to give students a deeper understanding of the world of musical theater. Class discussions will consist of historical information, composer identification, and description of musicals found online and through additional research materials. “Hands-on” sessions will invite professionals from around the area to meet with students, as they receive a better comprehension of each area of Musical Theatre. Field trips may be possible, depending on the time and place of the particular show.

### **JAZZ BAND**

PREREQUISITE: MUST BE A CONCURRENT MEMBER OF THE BAND. MEMBERS ARE CHOSEN BY AUDITION. EXCEPTIONS MAY BE MADE FOR STUDENTS CURRENTLY ENROLLED AT PCTC WHO WERE FORMERLY MEMBERS OF THE SHELBY WHIPPET BAND PROGRAM AT THE DISCRETION OF THE DIRECTORS.

Jazz Band rehearses outside of the school day at a mutually agreed upon time following marching season. Students will be exposed to a variety of musical styles in a “Big Band” setting. Students have an opportunity for improvisation experiences as well as an opportunity to improve their individual techniques on their instruments. These objectives are met through the performance of the literature in rehearsals and various performances throughout the year.

### **INSTRUMENTAL PERFORMANCE ENSEMBLES**

Instrumental music instruction is offered to all students who have elected to participate in the band program. Participants in the instrumental performance ensembles will be encouraged to develop their musical potential to the fullest and participate in numerous experiences leading to a greater appreciation of music. Ensemble members will develop and improve technical abilities with regard to their individual instruments, as well as ear training and sight-reading skills. Listening skills will be developed with regard to balance and intonation within the ensemble. These skills will be cultivated using quality band literature representing a variety of musical styles, musical periods and composers.

## **PRE-ENGINEERING COURSES**

**1600 INTRO TO ENGINEERING DESIGN** Fee \$10 1 CREDIT

PREREQUISITE- A STRONG MATH BACKGROUND IS SUGGESTED

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.

**1605 PRINCIPLES OF ENGINEERING** Fee \$10 1 CREDIT

PREREQUISITE: ALGEBRA 1

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem-solving, research, and design while learning strategies for the design process documentation, collaboration, and presentation.

**1610 COMPUTER INTEGRATED MANUFACTURING (CIM)** Fee \$10 1 CREDIT

PREREQUISITE: Intro to Engineering Design

Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation.

**1615 DIGITAL ELECTRONICS** Fee \$10 1 CREDIT

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



## **SCIENCE COURSES**

### **0500 PHYSICAL SCIENCE**

1 CREDIT

Physical science combines concepts related to chemistry, physics, and space science with historical perspective and mathematical reasoning. The course includes inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information. As the primary focus is on matter, motion, forces, and energy. Physical science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. This course qualifies as one science unit (physical science) towards Ohio Graduation requirements.

### **0505 SCIENCE FACT & FICTION: Technology, Space, and Time**

½ CREDIT

Science Fact & Fiction: Technology, Space, and Time is an elective which does not satisfy a science requirement for graduation in Ohio, but does explore the many interesting concepts of physical science woven into the media and our everyday lives. The course examines how science and technology have developed throughout history; as well as exploring predictions of how science might shape our future. The course includes how scientific work is portrayed in literature, news, and especially films and movies. Space travel is a central theme in the course, and the possibilities of time travel are also explored.

### **0506 SCIENCE FACT & FICTION: Monsters, Beasts, and Aliens**

½ CREDIT

Science Fact & Fiction: Monsters, Beasts and Aliens is an elective which does not satisfy a science requirement for graduation in Ohio, but does explore the many interesting concepts of biological science woven into the media and our everyday lives. The course examines how our scientific understanding of nature has developed throughout history; as well as exploring the possibilities (and limits) of life's diversity. The course includes how scientific work is portrayed in literature, news, and *especially films and movies*. A central theme of the course are the creatures whose origins involve science experimentation, but it also explores how new species interact with humanity.

### **0507 THE SCIENCE OF SUPERHEROES**

½ CREDIT

The Science of Superheroes is an elective which does not satisfy a science requirement for graduation in Ohio, but does explore how the reality of science intersects with the fantastic world of comic book heroes portrayed in print and in an ever-growing multiverse of movies. These heroes can face down villains, but how do they fare in the face of raw science? Explore real topics of science alongside the reality defying abilities of imagined demi-gods. Throughout the course several superpowers will be considered as well as the historical and cultural significance of the modern-day hero. With great power comes great science!

### **0510 BIOLOGY**

1 CREDIT

Biology is a semester course that is designed to introduce the student to the study of life sciences. Students will study the characteristics of life that all living organisms share and survey the living world to examine the diverse forms of life found on earth. Similarities and differences among organisms will be highlighted as concepts covered include basic life chemistry, DNA, genetics, cell biology, classification, populations, and the evolution of the various living species on earth today from non-living viruses to bacteria to plants and animals including humans. This course qualifies as one unit in biological science towards Ohio Graduation requirements.

**0511 AP BIOLOGY**

1 CREDIT

PREREQ: GRD 11 &amp; 12 RECOMMENDED "B" IN BIO &amp; CHEM)

AP Biology is designed to be the equivalent of a first-year college course in Biology. At the end of the course, students will have an awareness of the integration of other sciences in the study of biology, understand how the species to which we belong is similar to, yet different from, other species, and be knowledgeable and responsible citizens in understanding biological issues that could potentially impact their lives.

The course is also structured around inquiry in the lab and the use of the seven science practices throughout the course. An emphasis will be placed on the science practices not only through inquiry labs, but through the use of hands-on activities, homework, practice, evaluations, and the laboratory. This course will develop 21st-century skills and be appropriate for college-bound students, as well as those choosing any science-related career. Concepts and vocabulary will be challenging and are geared towards students motivated by personal interest as well as those considering further study in the field of Chemistry, Physics, Biology, Computer Science, or other science-related fields and services.

**0515 FORENSIC SCIENCE**

1 CREDIT

PREREQUISITE: GRADES 10,11,12

This course is an overview of how science is applied to solving crimes. This course offers extensive laboratory experience that integrates the concepts learned in biology, chemistry, and physics to strengthen individual skills in scientific reasoning and observation. Using inquiry-based settings, students will learn basic scientific and mathematical methods and models required in forensic science. This course is an overview of how science is applied to solving crimes.

Topics include a history of forensic sciences, collecting of evidence, analyzing results, and hands-on applications of many laboratory techniques used in solving crimes and identifying people and future careers.

Jobs include forensic nurses, odontologists, pathologists, psychiatrists, medical examiners/coroners, forensic technicians, toxicologists, wildlife specialists, forensic engineers, accountants, computer specialists, aviation and construction accident investigators, forensic photographers, skull reconstructionists, document and polygraph examiners.

**0520 CHEMISTRY I**

1 CREDIT

PREREQUISITE: BIO &amp; ALG 1

Chemistry I is a college preparatory course that relates the science of chemistry to activities in our daily lives. The course is designed for students who plan to go to college but are not planning to pursue a college major related to science. Formulas, equations, moles, stoichiometry, organic chemistry, and physical chemistry are some of the concepts that will be covered. Chemistry I is structured so the students will have many opportunities to investigate chemical phenomena in the laboratory.

**0525 TRANSITIONAL CHEMISTRY**

1 CREDIT

PREREQUISITE: BIO &amp; ALG 1

**This course does not meet prerequisite requirements for Anatomy I or Advanced Biology**

Transitional Chemistry relates the science of chemistry to activities in our daily lives. Measurement, formulas, equations, moles, stoichiometry, heat, acids and bases, and gas laws are some of the topics that will be covered. This class is structured to include an investigation of chemical phenomena in the laboratory setting. It is designed for students who are not pursuing a four-year degree and meets the expectations for chemistry credit as outlined by the Ohio Graduation requirements.

**0521 CHEMISTRY I-HONORS**

1 CREDIT

PREREQUISITE: BIO &amp; ALG 1

Chemistry I-H is a weighted course for students who plan on attending college and pursuing a major related to science. This course will cover formulas, equations, moles, stoichiometry, oxidation-reduction, equilibrium, organic, and biochemistry. The class will move at a fast pace and involve a great deal of problem-solving. Chemistry I-H will include many laboratory activities. (Depending on funding and other factors, it is possible that students may receive college credit for this course through NCSC.)

**0530 ANATOMY & PHYSIOLOGY 1**

1 CREDIT

PREREQUISITE: "C" OR BETTER IN BIOLOGY

Intro to Anatomy & Physiology is a one-semester elective course available to all sophomores, juniors & seniors. It is a lab-based course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. Topics covered will include introductory anatomical terminology, as well as the basic organization of the major body systems, along with the impact of diseases on certain systems.

Students will learn through lectures, reading, videos, case studies, collaborative group work, interactive notebooks, and labs. Students will be responsible for the proper use of lab equipment and any projects assigned during the semester. Dissection of a fetal pig and other appropriate organs will complement this course. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes, both in high school and at the collegiate level.

**0531 ANATOMY & PHYSIOLOGY 2**

1 CREDIT

PREREQUISITE: -ANATOMY AND PHYSIOLOGY 1

This weighted course is especially helpful for students interested in medical-related fields but also beneficial for any college-bound students. This course goes in depth to many different body systems: digestive, cardiovascular, respiratory, integumentary, and reproductive by doing labs, projects, and hands-on activities.

**0535 KINESIOLOGY I**

1 CREDIT

Kinesiology I is an academic elective designed to develop the understanding of human movement and how the body reacts to exercise. Students will gain basic understanding of anatomical structures (skeletal muscle, bones and joints.) Students will learn and perform strengthening exercises for all major muscle groups as well as various types of strength training. Students will also learn basic nutrition and how it relates to the body's overall health.

**0536 KINESIOLOGY II**

1 CREDIT

Kinesiology II is an academic elective designed to build off your understanding from Kinesiology I. Students will gain a deeper understanding of body systems and how they work in relationship with skeletal muscle and human performance. Students will learn how the body systems both respond to and recover from exercise. This course also focuses on the student gaining a greater understanding of nutrition and how it relates to athletic performance.

**0540 FIELD BIOLOGY & ECOLOGY**

1 CREDIT

PREREQUISITE: BIO &amp; ALG I

This course will introduce students to some important topics in biology that they have not studied due mostly to state testing requirements. The areas covered in this course are still the basis of college biology courses so an understanding of these topics will greatly benefit the college-bound student. For instance, most college biology majors begin their college careers with zoology and botany which is not offered at this time. The course may also provide students with opportunities to experience

biological science in the natural setting. Field experiences may include river measurements, field botany, bird identification, insect identification, and microscopic studies of pond life. An ongoing theme will be the interdependence of living things in ecosystems and the impact of humans on their environment. This course qualifies as one unit in advanced science towards Ohio Graduation requirements.

### **0550 AP PHYSICS**

1 CREDIT

PREREQUISITE: Algebra 2

This is a weighted course designed for seniors (or juniors that have demonstrated high achievement in previous science coursework). This course will provide both a review and in-depth exploration of major topics in physics, such as measurement, kinematics, mechanics, energy, and modern physics. The course emphasizes the application of mathematics to solving physical problems and includes hands-on, lab-based work and the use of inquiry to form data-based conclusions. This course will prepare students for higher education and give them a foundation for college-level physics. Students will also be prepared to take the AP Physics 1 exam at the end of the course.

### **0551 AP PHYSICS C: MECHANICS**

1 CREDIT

PREREQUISITE: ALGEBRA 2

This is a weighted course designed for seniors (or juniors that have demonstrated high achievement in previous science coursework). This course is also designed for students who want to enter the engineering field after high school. Explore concepts such as kinematics; Newton's laws of motion, work, energy, and power; systems of particles and linear momentum; rotation; oscillations; and gravitation. You'll do hands-on laboratory work and in-class activities to investigate phenomena and use calculus to solve problems. This course will prepare students for higher education and give them a foundation for college-level physics. Students will also be prepared to take the AP Physics C: Mechanics exam at the end of the course.

## **SOCIAL STUDIES COURSES**

### **0600 MODERN WORLD HISTORY**

1 CREDIT

World History is an interdisciplinary one-credit course required for all freshmen. Students will engage in various learning activities and objectives correlated to the state academic content standards. This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements, and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

### **0610 AMERICAN HISTORY**

1 CREDIT

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

### **0611 AP US HISTORY**

1 CREDIT

PREREQUISITE: GRD 11 & 12 "A" IN AMERICAN HISTORY & "B" OR HIGHER IN ENGLISH. TEACHER RECOMMENDATIONS FOR BOTH SUBJECTS ARE ALSO REQUIRED

In this college-level course, students will study the history of the United States from its beginnings through the twenty-first century. Significant outside reading and writing are expected. Students who are eligible for this course should be excellent students in history and English, have an outstanding work ethic, do well on standardized tests, and be recommended by their previous history and English teachers. Students unable to keep up with the workload may be dismissed from the class. Students will be prepared to take the AP US History exam at the end of the course.

### **0620 AMERICAN GOVERNMENT/ECONOMICS**

1 CREDIT

PREREQUISITE: AMERICAN HISTORY, OPEN TO JUNIORS AND SENIORS

This American Government course provides students with a deep understanding of civic responsibility and the structure of the U.S. government. Key topics include civic involvement, participation skills, and the foundational principles of the U.S. Constitution. Students explore the structure and functions of federal, state, and local governments, including Ohio's, to understand the role of citizens in shaping government actions. Through the study of public policy and the government's impact on the economy, students gain practical knowledge to engage as informed citizens in their communities, State, and nation.

### **0621 AP U.S. GOVERNMENT & POLITICS**

1 CREDIT

PREREQUISITE: AMERICAN HISTORY

This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will take the AP exam at the completion of the course.

### **0630 FINANCIAL LITERACY**

½ CREDIT

PREREQUISITE: GRD 11 & 12

This course is for juniors and seniors and is a requirement for graduation beginning with the Class of 2026. This course will cover the basics of what you need to know for after graduation in terms of personal finance. Things that will be covered include checking and savings accounts, insurance, taxes, credit vs debit, retirement funds, employment benefits, investing, and student loans. The goal is to prepare students for life after high school.

### **0640 GEOGRAPHY I- PHYSICAL GEOGRAPHY**

½ CREDIT

In this Physical Geography course, students explore Earth's physical characteristics and global patterns through the study of latitude and longitude, climate, and major physical features. Beginning with an understanding of the Five Themes of Geography, students focus on concepts of location, physical place, and human-environment interaction. The curriculum includes memorization of countries and key geographical features on each continent. Throughout the course, students will engage with a variety of National Geographic documentaries, enhancing their understanding of regional landscapes, ecosystems, and human-environment connections through rich, real-world visuals.

### **0641 GEOGRAPHY II- HUMAN GEOGRAPHY**

½ CREDIT

PREREQUISITE: GEOGRAPHY I

This Human Geography course explores the dynamic relationship between people and places through the themes of human place, movement, region, and human-environment interaction. Students examine diverse cultures and unique practices across each continent, gaining insight into how geography shapes human experiences and how people, in turn, impact their environments. Using these themes as a lens, the class delves into cultural landscapes, migration patterns, and regional

characteristics, providing students with a deeper understanding of the interconnectedness of people and geography worldwide.

### **0645 ENTERTAINMENT HISTORY**

½ CREDIT

In this course, you will learn and discuss the impact the entertainment industry has had on our society as a whole in the past, present, and future. The topics for this course will include but are not limited to music, advertisement, sports, television/movies, leisure activities, technology, social media, controversial issues, and trends.

The goal of this course is for students to better understand how entertainment, and its need to continuously improve, have brought us to our modern lives and what the future of entertainment may be. Students will participate in discussions and presentations of historical development, current trends, and future possibilities that surround the world of entertainment.

### **0650 PSYCHOLOGY**

½ CREDIT

PREREQUISITE: 10,11,12

This course provides an overview of the scientific study of human behavior. While sociology focuses on group behavior, psychology focuses on individual behavior. Major units of study include: 1)Biological basis for behavior 2)Sensation and perception 3)Learning and Memory 4)Motivation 5)Development 6)Sleep and consciousness 7)Personality and psychological disorders.

### **0655 SOCIOLOGY**

½ CREDIT

PREREQUISITE: 10,11,12

This is the systematic study of man and his group relationships, more commonly known as society. The student is made aware of the unity, the integration, and the universality of these relationships. The course lays the groundwork of basic concepts in the area of sociology, socialization, interaction, social institutions and then discusses some of the problems of modern society.

### **0660 CONTEMPORARY WORLD ISSUES**

1 CREDIT

PREREQUISITE: RECOMMENDATION FROM MOST RECENT SOCIAL STUDIES

TEACHER, GRD 10, 11,12

This is a weighted course. Contemporary World Issues invites students to critically examine today's global landscape by connecting daily news with historical context and broad societal themes. Using the UpFirst daily news podcast and Morgan Freeman's The Story of Us, students explore diverse, firsthand global perspectives. Through the lens of current events, students engage with pivotal topics such as globalization, human rights, world religion, etc. and explore how past events influence modern challenges and achievements. Emphasis is placed on advocacy, encouraging students to engage thoughtfully and responsibly with important global concerns, and taking their findings into the community.

### **0665 UNITED STATES PRESIDENTS AND THEIR ERAS**

½ CREDIT

PREREQUISITE: GRD 9, 10, 11, 12

Step into the stories of America's presidents and the eras they shaped! This course brings history to life through the tales of leaders who defined the nation's identity, from the Founding Fathers to modern times. Explore the 6 roles of the presidency, key elections, secret scandals, and pivotal decisions that changed the course of history. Using the podcast Terms and other media, this class turns history into an unforgettable narrative of leadership, conflict, and culture. To wrap up the course, participate in a "Presidents Meet & Greet," where you'll step into the shoes of a chosen president, living out their ideas and persona for a day. Join us to experience American history like never before—through the power of storytelling!

## **ECON 101- MARKET FUNDAMENTALS**

1 CREDIT/3 SEM HOURS

This Ashland University CCP course will engage students in the economic way of thinking by taking an in-depth look at market fundamentals. Why, how, and who uses markets and what do we do when they fail? Students will be introduced to the economist's view of the world through extensive discussion, analysis, and writing.

## **ADDITIONAL ELECTIVE COURSES**

### **1000 OFFICIATING 101**

½ CREDIT

Do you love sports and would like to continue being involved in interscholastic athletics after you are done playing? The Ohio High School Athletic Association is providing online coursework for students to earn an officiating license in any OHSAA sport. After completing the course, you will work with the local official's association to complete the training and begin to officiate games. This is a great opportunity to make money, stay involved in athletics, and help with the current shortage of officials in Ohio.

### **1810 FUTURE READY**

1 CREDIT

REQUIRED COURSE FOR ALL FRESHMEN

In this Freshmen Experience class students will earn industry credentials in Leadership Excellence (3 point) and Six Sigma - yellow (3 points). Students will demonstrate their understanding of the five key leadership traits as well as the problem solving and decision making process of Six Sigma. Six Sigma is a team-based, problem solving methodology used by millions of businesses and organizations worldwide. The focus is on improved quality and reduced waste. Students will also continue their career exploration journey and will earn the Ohio Means Jobs graduation seal.

### **1815 INDUSTRY 4.0 FUNDAMENTALS**

1 CREDIT EACH

Industry 4.0 Fundamentals teaches basic manufacturing skills. Students in this course can take up to four different courses:

- Introduction to Mechtronics- Introduction to Industry 4.0, safety, hand tools, measurement, print reading, precision measurement, mechanical drives, fluid power, AC/DC electricity, electrical relay control, robotics programming, and electronic sensors
- Introduction to Industrial Control Systems- Industry 4.0 principles, mechanical drives, hydraulics fluid power, pneumatics, robotics programming, electrical relay control, electronic sensors, ethernet network communications, programmable controllers, CNC programming, mechatronic systems
- Robot Operation and Programming- robotic safety and components, frames, program development, inputs, outputs, and macros
- Introduction to Industrial Internet of Things- advanced programmable controllers, data analytics 1, variable frequency drives, bar code production identification, mechatronics: motors & conveyors, ethernet network 2, RFID product identification, smart sensors, programmable controllers, system optimization, mechatronics: communication & ASRS, PLC troubleshooting

Students can earn credentials in these areas that will give them a head start in jobs immediately after high school. These courses are geared toward students who may not want to go to college but want to obtain a high-paying job after graduation. There are enough credentials students can earn that they can take this course every semester.

## **COLLEGE CREDIT PLUS (CCP) COURSES**

Students who wish to take a CCP course must meet all entrance requirements to the college that is offering the course. There are other requirements that must be met, such as submitting an intent form and attending a CCP meeting. CCP students must submit their schedule of courses to their counselor so that they can be added to the student's transcript. Students are also responsible for obtaining any transcripts for their CCP courses.

The following CCP courses are offered at Shelby High School (this list is subject to change based on enrollment and decisions by the college):

### **Ashland University**

- Eng 101
- Eng 102
- Math 205
- Math 206
- Econ 101
- we are working on adding additional Social Studies courses

### **OSU-Mansfield**

- Biol 1110
- Soc 1101