

# Course of Study

## Table of Contents

Semester General Information  
Course Registration / Scheduling Process  
Graduation Requirements  
Honors Diplomas: College Prep and Career –Technical  
Minimum College Preparatory Requirements  
Honors Courses  
College Credit Plus (CC+)  
Flex Credit Program  
MHS Virtual Learning Academy

## Course Descriptions

Agriculture Education  
Art  
Business  
English  
Foreign Language  
Health / Physical Education  
Industrial Technology  
Math  
Music  
Science  
Social Studies  
Work Study  
Tri Star Career Technology Education  
College Credit Plus Pathways

For an electronic version of the registration materials, please go to the St. Marys Memorial High School website @ [www.smriders.net](http://www.smriders.net)

Click on:

- Left side, click on Guidance
- Right side, click on Course of Study

Dear Students and Parents:

Registration is an important time for a high school student. The registration process gives the student and their parents the opportunity to gauge their high school progress toward their future goals and aspirations and to plan the next step toward reaching these goals. St. Marys Memorial High School offers a wide variety of courses and electives that will help prepare a student for college, military, or the workforce. This variety is also intended to help guide the student in selecting a career path. Students and parents should take this time seriously as choices made now will impact the future. Please review the material and information presented in this book and feel free to seek assistance as needed during the registration process.

### **General Semester Information**

St. Marys Memorial High School is on a semester schedule. The school year is broken into four 9-week quarters. During each semester, students will take a total of seven (7) classes. Most traditional year-long classes will be split into two (2) semester courses worth 0.5 credits each semester with the exception of PE which is worth 0.25 credits per semester. Scheduling study halls will not be an option. Class periods will be 44 minutes each with an additional 30 minute lunch and a 56 minute Rider Time. Rider time will have 26 minutes of common time with an additional 30 minutes before or after the student's lunch period. Rider time will be utilized for study time, seeking assistance from teachers, club meetings, assemblies, and announcements. A homework program for at-risk students will also be utilized during this time frame. The high school bell schedule is as follows:

**MHS Bell Schedule 2022-2023**

| <b>Period</b>            | <b>Time</b>                        | <b>Time</b>                        |
|--------------------------|------------------------------------|------------------------------------|
| <b>1</b>                 | 7:25 – 8:09                        |                                    |
| <b>2</b>                 | 8:13 – 8:57                        |                                    |
| <b>3</b>                 | 9:01 – 9:45                        |                                    |
| <b>4</b>                 | 9:49 – 10:33                       |                                    |
| <b>Lunch / RT</b>        | <b>10:33 – 11:03 (Lunch)</b>       | <b>10:37 – 11:03 (Rider Time)</b>  |
| <b>RT / Lunch</b>        | <b>11:33 – 12:03 (Rider Time)</b>  | <b>11:33 – 12:03 (Lunch)</b>       |
| <b>Common Rider Time</b> | 11:33 – 12:03<br>Common Rider Time | 11:33 – 12:03<br>Common Rider Time |
| <b>5</b>                 | 12:07 – 12:51                      |                                    |
| <b>6</b>                 | 12: 55 – 1:39                      |                                    |
| <b>7</b>                 | 1:43 – 2:30                        |                                    |

## **Registration Requirements and Information**

All students must register for 14 units per year. Students will also be asked to choose alternative selections during this process. Every effort is made to accommodate individual course requests, but alternatives will be scheduled when necessary. We reserve the right to make schedule alterations in the event of changes made to the master schedule. Students and parents are encouraged to read through the enclosed information and course descriptions. Scheduling information will be presented to students at scheduling meetings during the school day. There will also be a parent scheduling meeting in the evening which parents are encouraged to attend.

## **Student and Parent Scheduling Responsibility**

1. Students must take 7 classes per semester.
2. **The final responsibility for a student's academic planning toward graduation (and future academic goals) lies with the student and his/her parents or guardians.** Counseling and advice are available; however, the individual student must be aware of his/her program objectives and needs.
3. Students must obtain a **content area teacher's signature where required** for approval of the course selected.
4. **A Parent/Guardian signature is required** on the registration form to complete the registration process.
5. Students may stop in the guidance office to schedule an appointment with the guidance counselors if needed. Parents may call the guidance office during regular school hours at 419-300-1463 for assistance with scheduling questions.

## **Scheduling and Schedule Change Policy**

Students, with the careful input of parents, need to select courses based upon graduation requirements, future educational goals, academic aptitude, and individual interest. Once requests are received, every effort will be made to accommodate student requests. **Courses selected during spring registration should be considered as final.** Only changes necessitated by course cancellation, misplacement, or administrative decision will be permitted. Staffing and textbook purchases are based upon student requests; therefore, schedule changes will only be **considered** if the student completes a course change request form and submits it with a parent signature. All schedule change requests must have administration approval. Schedule changes will not be made for the following reasons:

- Students may not drop or change a required course.
- Course changes will not be granted based on teacher preference.
- Seniors will not be permitted to drop classes to obtain delayed entry or early release.

### **In addition the following guidelines will apply:**

- The class you are requesting to add must meet the same semester and period as the one you are dropping.
- Classes on the schedule will not be moved around to accommodate course change requests.

- Schedules will not be changed after the semester begins.
- Student fees are non-refundable once a class has been in session for one week.
- A course dropped after the start of a semester will be given a WD Failure on the student's transcript/course history.
- If a schedule change is denied the student will remain in the course.

**Counselors will accept course change requests according to the following schedule:**

**1<sup>st</sup> Semester:** Wed., Aug. 17<sup>th</sup> – Wed., Aug. 24<sup>th</sup> (all requests must be in by noon on August 24)

**2<sup>nd</sup> Semester:** Wed., Dec. 14<sup>th</sup> – Wed., Dec. 21<sup>st</sup> (all requests must be in by noon on December 21)

**Graduation Requirements**

All Students must complete the following curriculum requirements for graduation:

| <u>Curriculum</u>     | <u>Curriculum Requirements</u> |
|-----------------------|--------------------------------|
| English Language Arts | 4 credits                      |
| Mathematics           | 4 credits (1)                  |
| Science               | 3 credits (2)                  |
| Social Studies        | 3 credits (3)                  |
| Fine Art              | 1 credit (4)                   |
| Health                | ½ credit                       |
| Physical Education    | ½ credit                       |
| Electives             | 5 credits (5)                  |

(1) Mathematics credits must include 1 credit of Algebra II or the equivalent of Algebra II.

(2) Science credits must include 1 credit of physical sciences, 1 credit of life sciences and 1 credit of advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; or astronomy, physical geology, or other earth or space science, or agriculture, food, and natural resources (AG course).

(3) Social studies credits must include 1 credit of American History and 1 credit of American Government, and 0.5 credit of World History.

(4) All students must complete at least two semesters of fine arts. This requirement may be met by completing an eligible 8<sup>th</sup> grade fine arts course.

(5) Elective credits must include one or any combination of foreign language, fine arts, business, career-technical education, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.

Beyond coursework and credits, students must meet other requirements to be eligible for graduation. There are handouts online provided by the Ohio Department of Education that spell out the specific requirements by graduating year. Please refer to the links below:

2023 and beyond:

<http://education.ohio.gov/getattachment/Topics/Ohio-s-Graduation-Requirements/Sections/Classes-of-2023-and-Beyond-Graduation-Requirements/GradReq2023.pdf.aspx?lang=en-US>

## **Honors Diploma Requirements**

### **Academic Honors Diploma**

The student who completes the high school academic curriculum shall meet at least six of the following seven criteria to earn the Honors Diploma. *Recommended for all college prep students.*

- a. Four units of mathematics
- b. Four units of science including two units of advanced science
- c. Four units of Social Studies
- d. Three units of one foreign language or two units each of two foreign languages
- e. One unit of fine arts
- f. Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year
- g. Obtain a composite score of 27 on the ACT assessment (excluding the optional writing test) or a combined score of 1210 on the SAT verbal and mathematics sections (excluding the required writing section)

### **Honors Diploma: Career-Technical**

The student who completes an intensive career-technical education curriculum shall meet at least eight of the following nine criteria to earn an Honors Diploma.

- a. Four units of mathematics which shall include Algebra I, Algebra II, Geometry and another higher level course or a four year sequence of courses which contains equivalent content
- b. Four units of science including two units of advanced science
- c. Four units of a social studies
- d. Two units of foreign language
- e. Four units in a career-technical education program
- f. Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year
- g. Obtain a composite score of ACT: 27 or higher/SAT: 1280 or higher/WorkKeys: 6 or higher on Reading for Information and 6 or higher on Applied Mathematics
- h. Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
- i. Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.

## **Minimum College Preparatory Requirements**

If a student plans to attend any of Ohio's public or private four-year colleges or universities, the following coursework should be taken in high school. These courses are required for regular admission at most state post-secondary institutions. Students whose secondary school preparation does not meet these minimum standards may be admitted on a "conditional" basis that will require doing remedial work

before beginning classes on a degree-granting program. Also, secondary course requirements may vary from one institution to another.

Minimum secondary requirements include:

- 4 credits of English with emphasis on composition
- 3 credits of mathematics (Algebra I, Algebra II, Geometry)
- 3 credits of social studies
- 3 credits of science (one physical, one biological, one full credit elective college prep science)
- 2 credits of same foreign language (three credits recommended)
- 1 credit of fine art (visual and performing)

**Honors Courses**

Honors courses are offered in art, English, foreign language, mathematics, science, and social studies. Selection is based on application and instructor approval. These courses are in more depth in subject matter and flow at a faster rate. Final grades are weighted three steps higher in GPA calculation. (Example: Final grade of a “B” would calculate in the GPA as an “A.”)

**College Credit Plus (CC+)**

The College Credit Plus program offers students the opportunity to earn college credit while still in high school. **Participating students must demonstrate college readiness and have the ability to perform college-level work for the subject area being studied.** To be eligible a student must meet the college admission requirements established by each institution. Students will need to complete an application and be accepted by the college. **Interested students and parents will be required to attend a mandatory information/counseling meeting to obtain information related to the College Credit Plus program and college application materials.** . MHS has chosen to partner with Wright State University Lake Campus. Curriculum pathways have been developed with the partnering institution of higher education. These pathways are located in the course description section of this handbook.

**Flex Credit**

In addition to earning high school credit by successfully completing traditional high school courses, the credit flexibility program provides options for students. Students are required to demonstrate mastery of the essential content and skills of a traditional course or completing an approved plan that is aligned to the academic curriculum. Students and their parents are responsible for developing their educational plan, completing the necessary application form(s) by the established deadline date(s), and submitting their application for review. Educational plans must be in place prior to the student completing the activity. Each plan will be reviewed by a committee for approval and the student will be notified of the decision. Application materials are available in the high school guidance office.

**MHS Virtual Learning Academy**

The MHS Virtual Learning Academy is a program that is designed for the non-traditional student. It provides selected students with the opportunity to take part in an online education program while maintaining all of the benefits offered to all students of the St. Marys City School District. For additional information please contact Jon Burke, Principal.

**AGRICULTURE**  
**Agriculture, Food and Natural Resources**

**Course AG111, 112**

**1.25 credit**

- Purpose:** This group will provide students with a foundation to the Agricultural Industry by introducing numerous Ag topics. This course will also teach students how to work in groups and develop their leadership abilities. This course is a science credit.
- Content:** This is the first course in the Agricultural and Environmental Systems career field. It introduces students to the pathways that are offered in the Agricultural and Environmental Systems career field. As such, learners will obtain fundamental knowledge and skills in food science, natural resource management, animal science and management, plant and horticultural science, power technology and bioscience. In addition, students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course students will develop communication, leadership, and record keeping skills.
- Length:** 2 Semesters (1.00 science credit or agricultural elective and .25 for Supervised Ag Experience)
- Prerequisite:** Acceptance into the agricultural education program is subject to instructor discretion.
- Special Notes:** FFA participation is a requirement for the program. Supervised Agricultural Experience Programs are required of all students enrolled. Open to students in grades 9-12 without prior enrollment in the Agricultural Education Program.
- Fee:** \$30.00 (\$17.00 is for FFA dues.)

**Greenhouse Operations**

**Course AG211, 212**

**1.25 credit**

- Purpose:** To introduce students to growing plants, managing different aspects of plant health, and working in the greenhouse environment. Students will learn a great deal about how to grow and care for many different types of plants as well as grow these plants and prepare for the plant sale.
- Content:** Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio=security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.
- Length:** 2 Semesters (1.00 science or agricultural elective & 0.25 for Supervised Ag Experience)
- Prerequisites:** AFNR and/or at the discretion of the instructor
- Special Notes:** FFA participation is a requirement for the program. Supervised Agricultural Experience Programs are required of all students enrolled. Open to grades 10-12 (AG110 prerequisite unless pre-approved by the instructor)
- Fee:** \$30.00 (\$17.00 is for FFA dues.)

## Mechanical Principles

Course AG221, 222

1.25 credit

- Purpose:** Students will develop skills in utilizing different construction materials and methods. Students will learn skills in metal fabrication, electricity, concrete and masonry, Plumbing, and basic building construction. Students will learn other critical components of structural engineering including safety, business law and regulations.
- Content:** Students will engage in the engineering principles utilized in animal and plant production systems. Topics include electrical theory, design, and wiring of agricultural and environmental systems. In addition, students will learn metallurgy in relation to hot and cold metals along with sheet metal fabrication. Furthermore, learners will engage in hydraulic and pneumatic theory and small air cooled engine repair and maintenance. Throughout the course students will learn the critical components of site and personal safety along with communication and leadership skills.
- Length:** 2 Semesters
- Prerequisites:** Acceptance into the agricultural education program is subject to instructor discretion.
- Special Notes:** FFA participation is a requirement for the program. Supervised Agricultural Experience Programs are required of all students enrolled. Open to grades 10-12 (AG110 prerequisite unless pre-approved by the instructor)
- Fee:** \$45.00 (\$17.00 of which is for FFA dues)

## Animal Nutrition and Management

Course AG231, 232

1.25 credit

- Purpose:** To study more in depth aspects of the animal science industry by using science and hands on activities. Students will also continue to develop leadership and teamwork skills through the FFA.
- Content:** Students will identify and apply principles and practices to production animals. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities, and population management. In addition, students will apply the knowledge of nutrition to enhance animal growth, selection of breeding stock, along with performing management practices. Throughout the course students will develop management plans for care and legal compliance.
- Length:** 2 Semesters (1.0 life science credit, .25 agriculture credit)
- Prerequisites:** AFNR and/or at the discretion of the instructor
- Special Notes:** FFA participation is a requirement for the program. Supervised Agricultural Experience Programs are required of all students enrolled. Open to grades 10-12 (AG110 prerequisite unless pre-approved by the instructor)
- Fee:** \$30.00 (\$17.00 is for FFA dues)



## Global Economics and Food Marketing

Course AG241, 242

(Not offered in 2022-2023)

1.25 credit

- Purpose:** This course will allow students to study how commodities are priced, the impact that natural and man-made events have on the price of food, and different aspects of the economy from an agricultural stand point. Communication and business leadership will also be taught during this course.
- Content:** Students will examine economic principles related to agriculture, food, and natural resources along with the purpose, operation, and use of commodity futures and option markets. Students will learn economic principles with emphasis on their application to the solution of agricultural industry problems in relation to the United States economy. IN addition, students will examine future exchanges and commodity future contracts, hedging strategies, and put and call options. Throughout the course, students will become familiar with the causes and consequences of economic growth, globalization and development.
- Length:** 2 Semesters (1.00 agricultural elective & 0.25 for Supervised Ag Experience)
- Prerequisites:** AFNR and/or at the discretion of the instructor
- Special Notes:** FFA participation is a requirement for the program. Supervised Agricultural Experience Programs are required of all students enrolled. Open to grades 10-12 (AG110 prerequisite unless pre-approved by the instructor)
- Fee:** \$30.00 (\$17.00 is for FFA dues)

## Business Management for Agricultural and Environmental Systems

Course AG251, 252

1.25 credit

- Purpose:** Students will learn the components of agricultural business by developing a business plan, applying marketing and sales techniques, and identifying business structures. Students will learn about leadership and management styles and the impact they have on business. Students will learn that agro-security, finance, career development, and human resources are important components of business management.
- Content:** Learners will examine elements of business, identify organizational structures and identify and apply management skills. Learners will develop 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. Learners will practice customer sales techniques and apply concepts of ethics and professionalism while understanding related business regulations.
- Length:** 2 Semesters (1.00 ag /elective and 0.25 Supervised Agricultural Experience)
- Prerequisites:** AFNR and/or at the discretion of the instructor
- Special Notes:** FFA participation is a requirement for the program. Supervised Agricultural Experience Programs are required of all students enrolled. Open to grades 10-12 (AG110 prerequisite unless pre-approved by the instructor)
- Fee:** \$30.00 (\$17.00 of which is for FFA dues)

**Agricultural and Environmental Systems Capstone  
(Agricultural Cooperative Education Program)**

**Course**

**Up to 3 credits**

**Purpose:** The capstone course is an opportunity for students to solve problems and demonstrate that they have achieved the requisite knowledge and skills in their chosen Agricultural and Environmental Systems career field pathway. The course is designed to assess cognitive, affective and psychomotor learning and to do so in a student-centered and student-directed manner. The capstone requires the application of learning to a project that serves as an instrument of evaluation.

**Content:** The Co-op Program offers all qualified students majoring in Agricultural Economics, Agribusiness, Agronomy, Soil Sciences, Animal Industry, Crop Protection, Horticulture, Mechanical Technology in Agriculture, and General Program in Agricultural Sciences, an opportunity to enhance their academic preparation, acquire valuable work experience, and explore career options. Through this program, students alternate terms of full-time study with terms of full-time paid employment. The work experiences are supervised jointly by a mentor in the cooperating institution (private business or government agency) and a faculty member. A fundamental purpose of cooperative education is to give students the opportunity to learn under real world conditions.

**Length:** 1 Semester each

**Prerequisites:** Be in 12<sup>th</sup> grade, have completed at least 2 years of agricultural education, have employment in an agricultural business or instructor approved job, signature of instructor, and be enrolled in Business Management for Agriculture and Environmental Systems class.

## ART

### Art I

Course ART105

.50 credit

- Purpose:** To introduce the student to various art media, art careers, and art concepts.
- Content:** Art careers and elements of art will be covered. Students will complete projects involving various materials and subjects. Media that may be explored are graphite, pen and ink, charcoal, colored pencils, watercolor pencils, oil pastels, chalk, acrylic painting, and clay.
- Length:** 1 Semester
- Special Notes:** Open to grades 9-12. **This is a Prerequisite for Drawing and Painting Courses.**
- Fee:** \$35.00, subject to minor adjustment

### Art II and III

Course ART115, ART125

.50 credit

- Purpose:** To further explore various art media, art careers, and art concepts.
- Content:** This course is a more advanced version of Art 1. We will explore similar materials but more in depth and a different version of artists. Projects will be larger and more advanced. Media that may be explored are graphite, pen and ink, charcoal, colored pencils, watercolor pencils, oil pastels, chalk, acrylic painting, and clay
- Length:** 1 Semester each
- Special Note:** Open to grades 9-12
- Prerequisite:** **Must have taken Art 1.** Courses must be taken in order.
- Fee:** \$50.00, subject to minor adjustment

### Painting I and II

Course ART135, ART235

.50 credit

- Purpose:** To focus on developing techniques and skills in mainly acrylic painting and some watercolor.
- Content:** Students will be studying color theory and major painting movements. Students may explore various subjects such as landscapes, still lifes, portraits, animals and abstract designs in acrylic painting, water color, and watercolor pencils.
- Length:** 1 Semester each
- Special Note:** Open to grades 9-12.
- Prerequisite:** **Must have taken Art 1.** Courses must be taken in order.
- Fee:** \$70.00

## Ceramics I and II

Course ART305, ART315

.50 credit

- Purpose:** To expose students to the art of ceramics. To engage in life-long learning about the arts. To learn about a variety of different artists and how they use their art in the real world.
- Content:** Students will learn the basics of handbuilding, sculpture, and throwing on the wheel with ceramic clay.
- Length:** 1 Semester each
- Special Notes:** **Juniors and Seniors Only.** Must pass Ceramics 1 with an A or B to take Ceramics 2
- Prerequisite:** **Must have taken Art 1.** Courses must be taken in order
- Fee:** \$55.00

## Independent Study Art

Course

.50 credit

- Purpose:** Students will work independently in class to further develop their artistic talents with guidance and supervision by the teacher.
- Content:** Students will work in depth on various art media such as pencil, colored pencil, watercolor, acrylic paint, and pen and ink as well as improving artistic skill and technique on subject matter such as portraits, landscapes, still lives, figures, and fantasy. Students will be introduced to historical art movements and the art critiquing process.
- Special Notes:** Special course sign up. **Seniors Only**
- Length:** 1 Semester
- Prerequisite:** **Senior level course;** approval of instructor upon submitted application. Must have taken Drawing I, Painting I, and General Art.
- Fee:** \$30.00

## BUSINESS

### Course BUS131, 132

### Media Productions I

1.00 credit

**Purpose:** Students may design, implement and administer the graphic design on the scoreboards during sporting events at St. Marys athletic events and others, such as graduation ceremonies, pep rallies and other school events.

**Content:** Students may use an event production software that will trigger and control media such as animations, sponsorship ads, static images and videos. This course will blend the areas of marketing, business, design, technology/computer science and broadcasting.

**Length:** 2 semesters

**Special Note:** This course will require outside of class commitments, and attendance at sporting events throughout the year to run the scoreboard.

### Course BUS141, 142

### Media Productions II

1.00 credit

**Purpose:** Students will continue to design, implement and administrate the graphic design on the scoreboards during sporting events at St. Marys athletic events and others, such as graduation ceremonies, pep rallies and other school events.

**Content:** Students will continue to use an event production software that will trigger and control media such as animations, sponsorship ads, static images and videos. This course will blend the areas of marketing, business, design, technology/computer science and broadcasting.

**Length:** 2 semesters

**Special Note:** This course will require outside of class commitments, and attendance at sporting events throughout the year to run the scoreboard.

**Prerequisite:** Media Productions I

## Entrepreneurship

### Course BUS145

.50 credit

**Purpose:** This course may help to prepare students to carry out the entrepreneurial process.

**Content:** Students will have a better understanding and knowledge of the skills needed to effectively organize, develop, create and manage a business. Students may gain an understanding of production, marketing, finance, human resources, and social and environmental issues affecting entrepreneurs. Students may learn about the skills and attributes of enterprising employees, the distinguishing features of their work environments, and the challenges and rewards of becoming an enterprising person. Students may have an opportunity to demonstrate and develop enterprise, computer/technology applications, real and/or simulate job experience, or projects related to business ownership. This course incorporates the use of technology including computers and software.

**Length:** 1 Semester

## **Sports and Entertainment Marketing**

**Course BUS165**

**.50 credit**

**Purpose:** Whether you create commercials for the Super Bowl, determine the price of seats for a concert, or choose between offering a 3K or 5K race, you are participating in the world of Sports and Entertainment Marketing.

**Content:** In this course, students may develop skills in:

- Sports Advertising/Promotion
- Business Communications
- Sales in Sports & Entertainment Marketing
- Sponsorships
- Sports & Entertainment Products

**Length:** 1 Semester

**Special Notes:** Preference to 9<sup>th</sup> and 10<sup>th</sup> grade students interested in a business-related elective. May be available to 11<sup>th</sup> and 12<sup>th</sup> grade students needing a business elective credit. Students in Sports & Entertainment Marketing may have the opportunity to apply for the Marketing Education/DECA program and may participate in some DECA functions at the district, state, and national levels.

## **Business Management I**

**Course BUS170**

**.50 credit**

**Purpose:** Students may learn basic business management and operations functions

**Content:** Students will work to develop basic management skills in organization, inventory control, product ordering, billing, budgeting, and visual display (interior and exterior displays, signs, and basic marketing). Hands-on activities which develop these topics in actual businesses will be emphasized.

**Length:** 1 Semester

**Special Notes:** Open to grades 9-12

## **Business Management II**

**Course BUS175**

**.50 credit**

**Purpose:** Students may learn advanced business management and operations functions

**Content:** Students will continue to work to develop advanced management skills in organization, inventory control, product ordering, billing, budgeting, and visual display (interior and exterior displays, signs, and basic marketing). Hands-on activities which develop these topics in actual businesses will be emphasized. A focus of this course is on leadership in management.

**Length:** 1 Semester

**Special Notes:** Open to grades 9-12

## Yearbook

**Course**

**1.0 credit**

**Purpose:** To introduce and gain an understanding of journalism and publication.

**Content:** The content of this course could include journalism instruction, journalism writing, writing mechanics, work with computer publishing software, photography, layout design, interviewing techniques, copyright, research, editing, marketing, advertising, off campus sales, book sales, and publication production. Students will write, produce, and publish a school yearbook.

**Length:** 2 Semesters

**Special Note:** The course can be repeated each year for credit.

## Marketing Applications/Sophomore DECA

**Course**

**1.00 credit**

**Purpose:** To prepare students for opportunities in the marketing field and related occupations.

**Content:** Students may develop skills in:

- Advertising/promotion
- Communication
- Management Principles and Techniques
- Economics
- Display Merchandising
- Human Relations
- Marketing Research
- Product Service Technology
- Entrepreneurship
- Pricing

DECA is a vital part of the Marketing program. Students learn skills in vocational understanding, social intelligence, leadership development, and civic consciousness.

Students may attend conferences and contests at the district, state, and national levels.

Career Opportunities in Marketing include: Account Representative, Entrepreneurship, Marketing Researcher, Marketing Specialist, Product/Brand Manager, Promotion/Events

Coordinator. **This course may earn college credit through articulation agreements in place with Rhodes State University, The University of Northwestern Ohio, and Edison State CC.**

**Length:** 2 Semesters, 1 period per day

**Prerequisite:** Open to sophomores. Applications must be completed for this program. Class selection is based upon attendance, grades, attitude, and teacher recommendation.

## Integrated Marketing Communications/Junior DECA

**Course**

**1.00 credit**

**Purpose:** To prepare students for opportunities in the marketing field and related occupations.

**Content:** Students may develop skills in:

- Entrepreneurship
- Marketing Research
- Financial Management
- Sales
- Display Techniques
- Product Branding
- Advertising/Promotion

DECA is a vital part of the Marketing program. Students learn skills in vocational understanding, social intelligence, leadership development, and civic consciousness. Students may attend conferences and contests at the district, state, and national levels. Career Opportunities in Marketing include: Account Representative, Entrepreneurship, Marketing Researcher, Marketing Specialist, Product/Brand Manager, Promotion/Events Coordinator. During the junior year, after specified criteria are met, juniors may (not required) participate in working a marketing position outside of school or in The DECA Depot.

**This course may earn college credit through articulation agreements in place with Rhodes State University, The University of Northwestern Ohio, and Edison State CC.**

**Length:** 2 Semesters, 1 period per day

**Prerequisite:** Must be a junior. Applications must be completed for the program. Class selection is based upon attendance, grades, attitude, and teacher recommendation.



## Merchandising & Buying/Senior DECA

**Course**

**1.00 credit**

**Purpose:** To prepare students for opportunities in the marketing field and related occupations.

**Content:** This course is heavily project-based. Students may develop skills in:

- Entrepreneurship
- Marketing Research
- Financial Management
- Sales
- Display Techniques
- Product Branding
- Advertising/Promotion

DECA is a vital part of the Marketing program. Students learn skills in vocational understanding, social intelligence, leadership development, and civic consciousness. Students may attend conferences and contests at the district, state, and national levels. Career Opportunities in Marketing include: Account Representative, Entrepreneurship, Marketing Researcher, Marketing Specialist, Product/Brand Manager, Promotion/Events Coordinator. During the senior year, after specified criteria are met, seniors may (not required) participate in working a marketing position outside of school or in The DECA Depot.

**This course may earn college credit through articulation agreements in place with Rhodes State University, The University of Northwestern Ohio, and Edison State CC.**

**Length:** 2 Semesters, 1 period per day

**Prerequisite:** Must be a senior. Applications must be completed for the program. Class selection is based upon attendance, grades, attitude, and teacher recommendation.

## Marketing Principles Work Experience/DECA Work

**Course**

**2.00 credits**

**Purpose:** To prepare students for opportunities in the marketing field and related occupations.

**Content:** Students may develop work related skills in:

- Restaurants
- Retail stores
- Service businesses
- Athletic departments
- Internships

**Length:** 2 semesters, up to 3 periods per day

**Special Note:** Must be currently enrolled in Integrated Marketing Applications/Junior DECA or Merchandising & Buying/Senior DECA.

**Prerequisite:** Must be a junior or senior in the DECA program. Applications must be completed for the program. Class selection is based upon attendance, grades, attitude, and teacher recommendation.

## ENGLISH DEPARTMENT

### English I A

**Course ENG111**  
**NCAA Approved**

**.50 credit**

**Purpose:** To introduce students to the basic genres of literature, to continue the study and practice of writing conventions in single and multi-paragraph texts, and to review the conventions of standard English grammar and usage.

**Content:** The class will focus on the study of literature with multiple levels of complexity in both fiction and nonfiction classic literature. Reading comprehension is stressed; critical reading and analytical skills are introduced. Students will continue the study of the writing process by writing a combination of descriptive, narrative, argumentative, analysis, and research-based texts. Modern Language Association and research skills will be introduced. Grammar and usage will be reviewed. Vocabulary will be introduced and studied throughout the course.

**Length:** 1 Semester

**Special Note:** Required

### English I B

**Course ENG112**  
**NCAA Approved**

**.50 credit**

**Purpose:** To introduce students to the basic genres of literature, to continue the study and practice of writing conventions in single and multi-paragraph texts, and to review the conventions of standard English grammar and usage.

**Content:** The class will be a continuation of English I A.

**Length:** 1 Semester

**Special Note:** Required

**Prerequisite:** English I A

## Honors English I

**Course**  
**NCAA Approved**

**1.00 credit**

- Purpose:** To introduce students to the basic genres of literature, to continue the study and practice of writing conventions in single and multi-paragraph texts, and to review the conventions of standard English grammar and usage.
- Content:** The class will focus on the study of several types of literature with multiple levels of complexity from the following list: fiction, non-fiction, short stories, poems, plays, and novels. Reading comprehension is stressed; critical reading and analytical skills are introduced and reinforced. Students will continue the study of the writing process by writing descriptive, narrative, argumentative, analysis, research, informative and/or explanatory texts. Modern Language Association and research skills will be introduced. Class discussion, student participation, and note-taking skills will be important to this class. Grammar and usage will be reviewed and incorporated into the writing process. Vocabulary will be introduced and studied throughout the course. The pace, work expectations, student assessment, and student accountability are more intensive than in English I.
- Length:** 2 Semesters
- Prerequisite:** Special Course Sign up

## English II A

**Course ENG211**  
**NCAA Approved**

**.50 credit**

- Purpose:** To improve reading comprehension and writing skills and prepare students for passage of state mandated end-of-course exams.
- Content:** The class will study a variety of literature. Reading and comprehension skills will be stressed. Writing will be studied through essays, responses, and stories. Grammar will be studied separately and in conjunction with writing assignments.
- Length:** 1 Semester
- Prerequisite:** English I
- Special Note:** Required

## English II B

**Course ENG212**  
**NCAA Approved**

**.50 credit**

- Purpose:** To improve reading comprehension and writing skills and prepare students for passage of state mandated end-of-course exams.
- Content:** The class will be a continuation of English II A.
- Length:** 1 Semester
- Prerequisite:** English II A
- Special Note:** Required

### College Bound (CB) English II A

**Course ENG221**  
**NCAA Approved**

**.50 credit**

- Purpose:** To improve reading comprehension, understanding of literature, and writing skills for the college bound student.
- Content:** The class will study various types of literature. Reading, comprehension, and analytical skills will be stressed. Writing will be studied through stories, essays, and responses. Grammar will be studied separately and in conjunction with writing assignments. ACT prep will be emphasized.
- Length:** 1 Semester
- Prerequisite:** English I
- Special Note:** Required

### College Bound (CB) English II B

**Course ENG222**  
**NCAA Approved**

**.50 credit**

- Purpose:** To improve reading comprehension, understanding of literature, and writing skills for the college bound student.
- Content:** The class will be a continuation of CB English II A.
- Length:** 1 Semester
- Prerequisite:** English I

### Honors English II

**Course**  
**NCAA Approved**

**1.00 credit**

- Purpose:** To refine reading comprehension, understanding of literature, and writing skills.
- Content:** The class will study several types of literature: short story, drama, nonfiction, and the novel. Reading comprehension and analytical skills are stressed. Writing will be studied through selected styles: stories, essays, and responses. Short answer essays, extended response essays, and multi-paragraph essays will be covered. Research will be incorporated to various units. Grammar and usage will be studied separately and in conjunction with writing assignments. Vocabulary will be a strong emphasis. The pace and work expectations are more intensive than in English II.
- Length:** 2 Semesters
- Prerequisite:** Special Course Sign Up

### English III A

**Course ENG311****.50 credit****Purpose:** To introduce students to areas of literature, technical reading and writing, and research.**Content:** This course includes reinforcement of grammar as well as extensive instruction in both vocabulary and spelling areas. Time will be spent on career passports and the development of life skills and career preparation and exploration. Tasks will include the critical and analytical thinking skills that are important to the workforce of today. Areas of technical writing and report writing will be incorporated. There is an integration of both vocabulary and grammar lessons with compositional aspects of the course.**Length:** 1 semester**Prerequisite:** English II

### English III B

**Course ENG312****.50 credit****Purpose:** To refine the use of literature, technical reading and writing, and research.**Content:** This course will be a continuation of Regular English III A and will include a focus on reading and writing that is performed in the workplace.**Length:** 1 Semester**Prerequisite:** English III A

### College Bound (CB) English III A

**Course ENG321****.50 credit****NCAA Approved****Purpose:** To introduce the range of American literary efforts; to provide a detailed study of American authors; to introduce and get students to differentiate genres such as plays, short stories, novels, and nonfiction; to refine the student's ability to create effective compositions, both single paragraph and multi-paragraph in form; to reinforce concepts of research-based academic writing.**Content:** This course includes reinforcement of grammar as well as extensive instruction in vocabulary. There is an integration of both vocabulary and grammar lessons with compositional aspects of the course. Required reading may include examples of fiction and drama, as well as selections from an American Literature anthology. The pace and work expectations are more intensive than in English III. This course is geared for the college-bound junior.**Length:** 1 Semester**Prerequisite:** English II or CB English II

### College Bound (CB) English III B

**Course ENG322**  
**NCAA Approved**

**.50 credit**

- Purpose:** To introduce the range of American literary efforts; to provide a detailed study of American authors; to introduce and get students to differentiate genres such as plays, short stories, novels, and nonfiction; to refine the student's ability to create effective compositions, both single paragraph and multi-paragraph in form; to reinforce concepts of research-based academic writing.
- Content:** The class will be a continuation of CB English III A. In addition, students will complete research papers that must meet established criteria. Students must complete the required paper in order to receive credit for the semester in which it is written.
- Length:** 1 Semester
- Prerequisite:** CB English III A

### English IV A

**Course ENG411**

**.50 credit**

- Purpose:** To reinforce and strengthen the skills that were taught in Regular English III, and to prepare non-college bound students to enter the workforce.
- Content:** This course includes reinforcement and instruction of general communication skills, both verbal and written. Time will be spent on career exploration, reading a variety of fiction and nonfiction genres and analyzing films connected to social and cultural issues. Students will also continue to have grammar and vocabulary instruction and review.
- Length:** 1 Semester
- Prerequisite:** English III

### English IV B

**Course ENG412**

**.50 credit**

- Purpose:** To refine and strengthen the continuation of skills and knowledge from English IV A.
- Content:** There will be emphasis on work place writings such as resumes, cover letters, letters, reports, emails, and other informational text. Students will also continue a vocabulary, grammar, and literature review.
- Length:** 1 Semester
- Prerequisite:** English IV A

### College Bound (CB) English IV A

**Course ENG421**  
**NCAA Approved**

**.50 credit**

- Purpose:** To help students understand world literature in a variety of genres. Areas of study may include novels, short stories, poetry, essays, and plays. Expository, analytical, persuasive, rhetorical, and narrative/creative writing are emphasized. Students will also complete a research project, which is required to pass the course.
- Content:** This course will offer students study in British and World literature. Students will read various novels and complete a study of a Shakespearean play. There is an integration of both vocabulary and grammar aspects, as well as study in literature-based writing. Students will practice writing compositions in various modes. In addition to the discussion of audience and rhetoric, students will focus on the steps of the writing process. The pace and work expectations are more extensive than English IV. This course is geared for the college bound senior.
- Length:** 1 Semester
- Prerequisite:** English III or CB English III

### College Bound (CB) English IV B

**Course ENG422**  
**NCAA Approved**

**.50 credit**

- Purpose:** To help students understand world literature in a variety of genres. Areas of study may include novels, short stories, poetry, essays, and plays. Expository, analytical, persuasive, rhetorical, and narrative/creative writing are emphasized. Students will also complete a research project, which is required to pass the course.
- Content:** The class will be a continuation of CB English IV A.
- Length:** 1 Semester
- Prerequisite:** CB English IV A

## ENGLISH ELECTIVES

### Creative Writing

**Course ENG345**

**.50 credit**

**NCAA Approved**

**Purpose:** To produce a variety of creative writing pieces while improving vocabulary, grammar and usage.

**Content:** Students will have both assigned and free topics and will submit and revise completed works on a regular basis. Students may be required to submit works for peer or instructor feedback/critique. Students will produce a portfolio compiled of revised pieces of their best works for the final grade. Students' writing will be the tool for the practice of vocabulary, correct grammar, as well as a means of assessment.

**Length:** 1 Semester

**Special Note:** This is open to all juniors and seniors as an English elective. It may be taken in addition to other required English courses.

### Speech

**Course ENG355**

**.50 credit**

**NCAA Approved**

**Purpose:** To introduce students to the basic elements of speech; to help students prepare and present speeches; to apply the information they received to their speeches.

**Content:** This course is designed to deal with the elements of public speaking. Students will be introduced to different speech techniques on how to properly research, prepare and present a speech. These techniques will be displayed through their public speaking. All students will participate in presenting speeches on a selected topic. Students will be introduced to speech topics such as an informative speech, a debate, a persuasive speech, a special occasion speech, etc.

**Length:** 1 Semester

**Special Note:** This is open to all juniors and seniors as an English elective. It may be taken in addition to other required English courses.

### Technical Writing

**Course ENG365**

**(Not offered in 2022-2023)**

**.50 credit**

**Purpose:** To introduce students the critical and analytical thinking skills that are important to the workforce of today's world.

**Content:** An applied communication course intended to provide a working knowledge of the typical writing tasks encountered many of today's most in-demand careers. Areas of technical writing and report writing will be incorporated including resumes, cover letters, letters, reports, emails and other informational text and will include reading an analysis of many workplace documents including manuals, reports, charts, emails, etc.

**Length:** 1 Semester

**Special Note:** This is open to all juniors and seniors as an English elective. It may be taken in addition to other required English courses.



### Journalism

Course ENG375

(Not offered 2022-2023)

.50 credit

- Purpose:** To gain a more in-depth understanding of the field of journalism and the role of the writers and editors.
- Content:** Students will study all aspects of journalism including research, writing, editing, computer layout, etc. Students will complete a variety of non-public writing assignments as well as publications for the school and/or community. The writing process, fluency and clarity of language (correct spelling, punctuation, and grammar), and speaking and listening will also be emphasized. Students should expect to write and edit frequently.
- Length:** 1 semester
- Special Note:** This is open to all juniors and seniors as an English elective. It may be taken in addition to other required English courses.

### Sports Literature

Course ENG360

(Not offered 2022-2023)

.50 credit

NCAA Approved

- Purpose:** This course will examine works of different writers within the subject of sports to review fiction, nonfiction, and poetry.
- Content:** Students will read works of various lengths to review the components of fiction and nonfiction. Discussion will include common themes, personal contributions of various athletes, coaches, and other personnel, and the role of literature and communication in the realm of sports. All elective courses include required reading, multiple vocabulary lessons, varied writing assignments, and other assessments. Several forms of written expression may be included.
- Length:** 1 Semester
- Special Note:** This is open to all juniors and seniors as an English elective. It may be taken in addition to other required English courses.

### Love and Relationships

Course ENG370

(Not offered 2022-2023)

.50 credit

NCAA Approved

- Purpose:** Students will analyze the impact of the presence of love through literature.
- Content:** This course is designed for students interested in exploring the many forms of love: romantic, filial, and platonic through the study of both classic and contemporary literature, poetry, film, and song. All elective courses include required reading, multiple vocabulary lessons, varied writing assignments, and other assessments. Students will complete a literary analysis assessment as part of the written requirement although other forms of written expression may be included and assessed.
- Length:** 1 Semester
- Special Note:** This is open to all juniors and seniors as an English elective. It may be taken in addition to other required English courses.

**Mystery and Horror**  
**(Not offered 2022-2023)**

**.50 credit**

**Course ENG380**  
**NCAA Approved**

- Purpose:** To examine the subjects of mystery and horror and their place in literature.
- Content:** What makes a good mystery or horror story? Why do people enjoy these books? In this course, students will analyze works of mystery, thriller and horror writers in order to better understand the literary techniques these authors use and the human nonfiction which inspires them. This course will include required reading, vocab lessons, varied writing assignments, and other assessments.
- Length:** 1 Semester
- Special Note:** This is open to all juniors and seniors as an English elective. It may be taken in addition to other required English courses.

**War Literature**  
**(Not offered 2022-2023)**

**.50 credit**

**Course ENG390**  
**NCAA Approved**

- Purpose:** To examine the subjects of war, sacrifice and loss and their place in literature.
- Content:** The short-term and long-term effects of war have been felt by every generation in history around the world. In this course, students will analyze both classic and contemporary works of literature dealing with themes of war, sacrifice, and loss across time. Students will complete a literary analysis assessment as part of the written requirement, although other forms of written expression may be included and assessed.
- Length:** 1 Semester
- Special Note:** This is open to all juniors and seniors as an English elective. It may be taken in addition to other required English courses.

## FOREIGN LANGUAGE

### Honors Latin I

**Course** 1.00 credit

**NCAA Approved**

**Purpose:** To provide the student with an introduction to the Latin language, stressing its relationship to English, Roman culture, and mythology.

**Content:** This is an introductory Latin course, which stresses the development of Latin reading skills and translation skills. Elements of Roman culture, Roman history, Latin derivatives and classical mythology may be included. This course is intended to enhance the student's language skills and to broaden his knowledge of English.

**Special Note:** Honors level work will be expected from each student.  
This is a weighted course.

**Length:** 2 Semesters

**Prerequisite:** High school students must have a minimum of a B+ in current English course, another foreign language, or permission of the instructor.

**Fee:** \$7.00

### Honors Latin II

**Course** 1.00 credit

**NCAA Approved**

**Purpose:** This course is a continuation of Honors Latin I.

**Content:** Topics to be covered may include Latin reading skills, new grammar concepts, Roman history, English derivatives of Latin words, and Latin phrases used in English.

**Special Note:** This is a weighted course.

**Length:** 2 Semesters

**Prerequisite:** Successful completion of Honors Latin I or permission of the instructor.

**Fee:** \$7.00

### Honors Latin III

**Course** 1.00 credit

**NCAA Approved**

**Purpose:** To continue a classics curriculum

**Content:** Alternating years of Latin prose including Cicero and Julius Caesar and Latin poetry including Vergil and Ovid.

**Special Note:** This is a weighted course.

**Length:** 2 semesters

**Prerequisite:** Successful completion of Honors Latin II or permission of the instructor.

**Fee:** \$7.00

### Honors Latin IV

**Course** 1.00 credit

**NCAA Approved**

**Purpose:** To continue a classics curriculum

**Content:** Alternating years of Latin prose including Cicero and Julius Caesar and Latin poetry including Vergil and Ovid.

**Special Note:** This is a weighted course.

**Length:** 2 semesters

**Prerequisite:** Successful completion of Honors Latin III or permission of the instructor.

**Fee:** \$7.00

## Spanish I

**Course FL131, 132**  
**NCAA Approved**

**1.00 credit**

- Purpose:** To introduce students to basic language and cultural concepts by developing listening and reading comprehension, and speaking and writing skills through exploration of Hispanic culture.
- Content:** The content of this course includes basic vocabulary and grammar.
- Length:** 2 Semesters
- Prerequisite:** High school students must have a C average or better in English or permission of instructor.

## Spanish II

**Course FL231, 232**  
**NCAA Approved**

**1.00 credit**

- Purpose:** To help students understand how Spanish is formed structurally; to help students use knowledge of verb conjugations to increase use and understanding of the language; to help students feel more comfortable using Spanish; to increase students' knowledge of the Hispanic world.
- Content:** The content of Spanish II includes verb tenses, vocabulary, culture, listening, writing, reading, and speaking. Correct grammatical usage will be a focal point.
- Length:** 2 Semesters
- Prerequisite:** Successful completion of Spanish I or permission of the instructor
- Fee:** \$12.00, subject to change.

## Honors Spanish III

**Course**  
**NCAA Approved**

**1.00 credit**

- Purpose:** To help the student apply the Spanish language to everyday life. This course contains more intensive knowledge of grammar, vocabulary, and culture.
- Content:** The content of Spanish III will include increased emphasis on oral communication, vocabulary, grammar and culture. The fluencies of writing, reading, and listening will also be stressed. This is a weighted class.
- Length:** 2 Semesters
- Prerequisite:** A/B in Spanish II or permission of instructor
- Fee:** \$12.00, subject to change

## Honors Spanish IV

**Course**  
**NCAA Approved**

**1.00 credit**

- Purpose:** To strengthen the student's oral communication, reading, and writing skills. To introduce new aspects of the Hispanic culture and apply practical and creative uses of the Spanish language.
- Content:** The content of this course includes advanced vocabulary, grammar, civilization and cultural readings and literature, and art. The students will strengthen speaking skills through oral presentations. This is a weighted class.
- Length:** 2 Semesters
- Prerequisite:** A/B in Spanish III, permission of instructor

## HEALTH AND PHYSICAL EDUCATION

### Health

#### Course HPE115

.50 credit

**Purpose:** To help the students learn structure, function, and maintenance of the human body. Students will learn various malfunctions and complications of the body and how to cope with them. They will learn preventive measures in disease control, safety procedures, and where to go for help. Students learn about their own personality and how to cope with a variety of problem solving procedures.

**Content:** The content of this course promotes the importance of proper hygiene, and an understanding of functions of the human body, disease control, personality traits, and what to do in emergency situations. Students will learn adult CPR.

**Length:** 1 Semester

**Special Notes:** Recommended for grade 9  
Required for graduation.

### PE II

#### Course HPE125

.25 credit

**Purpose:** Physical education program is geared toward developing a base level of physical fitness. It is hoped that each student will develop cardiovascular and muscular endurance through circuit training, personal weight training and aerobic exercises.

**Content:** Such activities may include tennis, volleyball, badminton, soccer, hockey, basketball, softball/wiffleball, football, and lacrosse.

**Length:** 1 Semester

**Special Note:** Game day activities two to three days a week.

### PE III

#### Course HPE135

.25 credit

**Purpose:** This course is designed as a strength and conditioning program for high school male and female students.

**Content:** This class will attempt to improve the strength, power, speed, agility, and overall conditioning of the students. The importance of diet, nutrition, and hydration will be discussed.

- Lift 3 times per week
- 1 circuit training workout per week
- 1 game day activities per week

**Special Note:** Grades will be based upon the following:  
Classroom participation and effort  
Physical Improvement (Lifting and P.E. fitness tests)

**Length:** 1 Semester

## INDUSTRIAL TECHNOLOGY

### Drafting/CAD

**Course IND115**

**.50 credit**

- Purpose:** To introduce students to basic drawing techniques and problem solving related to mechanical drafting. Students will also learn the proper use and care of drafting tools, as well as improve their measuring skills. Students will use SOLID WORKS to develop parts, assemblies and drawings.
- Content:** The content of this course may include: geometric construction, lettering, dimensioning, multi-view drawings, pictorials, sectional views, and CAD (SOLID WORKS). Material learned in this course may be used to develop plans for other Industrial Technology courses.
- Length:** 1 Semester
- Special Note:** This course is highly recommended before taking other Industrial courses. Open to grades 9-12. Also, course can be used to meet 0.5 of Fine Art graduation requirement. Open to grades 9-12
- Fee:** \$5.00

### Architectural Drafting

**Course IND125**

**.50 credit**

- Purpose:** To further develop architectural drafting and design skills. Students will learn to draw and design rooms and buildings, as well as architectural model building.
- Content:** The content of this course may include planning and drawing a bathroom, kitchen, and home, drawing a plot plan, electrical drawings, landscape drawings, elevations, floor plans, and model building. Students will use drafting skills from the Drafting course to develop the drawings.
- Length:** 1 Semester
- Prerequisite:** Drafting/CAD
- Special Note:** Open to grades 9-12. Also, course can be used to meet 0.5 of Fine Art graduation requirement.
- Fee:** \$5.00

### Metal Technology

**Course IND145**

**.50 credit**

- Purpose:** To introduce students to basic metalworking techniques and problem solving. Students will learn the proper and safe use of metal working hand tools, the metal lathe and mill, foundry area, and welding equipment. This course will also help students make a better decision for future classes and careers.
- Content:** The content of this course will include: measurement and layout, bench metalworking, welding, aluminum casting, and machining on a lathe and mill. The course will involve several hands-on projects.
- Length:** 1 Semester
- Open to grades 9-12
- Fee:** \$10.00

## Woods I

Course IND135

.50 credit

**Purpose:** The course will enable a student to identify types of wood, recognize good project designs, plan, draw, lay out projects, use good safety and housekeeping procedures, figure board feet and material lists, identify fasteners and hardware supplies, read prints and make sketches, order lumber and other materials, use woodworking tools, operate all woodworking power machines, name and cut wood joints and apply stain and finishes. Grading is based on attitude in class, grades on tests, notebook and textbook questions and clean up. Projects will carry a good portion of your total grade.

**Content:** The course will consist primarily of hands-on lab work. After the first three or four weeks, classroom will be held only once each week to cover textbook units. A study and demonstration of all power machines will be covered and safety rules discussed. The following experiences will be covered: laying out projects, fasteners, gluing and clamping, wood joints, sawing, boring, drilling, planning, shaping and routing, wood turning, filing, chiseling, types of wood, sanding, finishing and opportunities in woodworking. Required projects selected and drawing in basic drafting will be built and completed by the end of the six week period. Students may select a more complex project to complete for his or her final project. Students will be responsible for cost of lumber used for projects.

**Length:** 1 Semester

**Special Notes:** Open to grades 9-12

**Fee:** Lab Fee: \$10.00  
Project Fee: \$15.00  
Total Fee: \$25.00

## Woods II

Course IND235

.50 credit

**Purpose:** This course will further enable students to develop their wood skills from their previous Woods I course. This includes a deeper understanding of tool and machine usage. In Woods II larger and more complex projects will be assigned to complete after first being refreshed in the proper safe operation of tools and machines. The purpose of Woods II is to increase the skills of the students so that they can master the art of woodworking to prepare for Woods III.

**Content:** More advanced projects will allow students to increase their skills by using machines and techniques not previously used in Woods I. Each student has the potential to earn up to 500 points on each project. The main percentage of this grade is based off of their daily effort and attitude. Projects also weigh in a heavy portion of their grade. Students will be responsible for cost of lumber used for their projects and may be required to bring in own material.

**Length:** 1 Semester

**Prerequisite:** Completion of Woods I with a "C-" or better.

**Special Notes:** Open to Grades 10-12

**Fee:** Lab fee: \$10.00  
Project fee: \$5.00  
Total course fee: \$15.00



### Woods III

Course IND335

.50 credit

- Purpose:** This course is for advanced students who have completed and excelled in both Woods I and Woods II. Students who are both talented and possess a desire to continue to master their woodworking skills will be allowed to take Woods III.
- Content:** More advanced projects will allow students to increase their skills by using machines and techniques not previously used in Woods I or Woods II. Students will have the freedom to select their own projects. Each student is required to have a detailed sketch, plans, and a working drawing of each project that they desire to make. The main percentage of their grade is based off of their daily effort and attitude. Student projects also weigh in a heavy portion of their grade. If no project is chosen, students will be required to fulfill a research paper with the topic being chosen by the instructor. Students will be responsible for their materials for their projects.
- Length:** 1 Semester
- Prerequisite:** Completion of Woods I and a "B" in Woods II
- Special Notes:** Open to Grades 11-12
- Fee:** Lab fee: \$10.00  
Project fee: \$5.00  
Total Course fee: \$15.00

### Home Improvement and Repair

Course IND315

.50 credit

- Purpose:** Students will learn how to build and repair a basic home. They will also be able to identify and use basic electrical tools, do general wiring and plumbing, wire 3-way and 4-way circuits, and repair basic home appliances.
- Content:** Students will learn to repair basic household problems and repair and build various household items. During second 6 weeks students will work in electricity and related areas. Tools and their uses will be covered before dividing the class into groups. Additional items that may be included are speaker wiring, shed assembly, roof maintenance, window and door installation, drywall, vinyl siding, and other related areas.
- Length:** 1 Semester
- Special Note:** Open to grades 11-12
- Fee:** \$10.00

## Manufacturing Technology

Course IND325

.50 credit

- Purpose:** This course will enable students to learn the organization of a company. This course will also include: estimating of costs, market research, advertisement, and packaging of a project determined by the class. This course will allow students to work towards a common goal of producing and selling a product. Students will learn proper safety and housekeeping skills, use of power machines, and understanding drawings.
- Content:** This course is offered to students who wish to learn many of the skills used in modern manufacturing. Areas covered will be: techniques used in industry, tools, materials, and processes. Mass production, corporations and types of ownerships will be covered. The class will be divided into two companies, which will manufacture saleable products. The management of one company will be the workers for the other company so both sides may experience working for someone and building another company's product. Each company will develop their own name, logo and product. Each company will be required to turn in a set of records at the end of the semester.
- Length:** 1 Semester
- Prerequisite:** Woods is recommended
- Special note:** Open to grades 11-12
- Fee:** \$10.00

## MATHEMATICS

### Integrated Algebra I A

Course MTH111

.50 credit

- Purpose:** This course is intended to help students understand, recognize, and apply techniques used in Algebra, while moving at a slower pace in order to help students who struggle with math.
- Content:** The content may include study of basic algebraic expressions, equations and functions, linear equations, functions and relations, linear inequalities, and basic systems of linear equations.
- Length:** 1 Semester
- Special Notes:** Open to grades 9-12. Scientific calculator required. Graphing calculator recommended.

### Integrated Algebra I B

Course MTH112

.50 credit

- Purpose:** This course is the second half of Integrated Algebra I.
- Content:** The content may include study of the introduction to polynomials, factoring basic quadratic equations, quadratic and exponential functions.
- Length:** 1 Semester
- Special Notes:** Open to grades 9-12. Scientific calculator required. Graphing calculator recommended.

### Integrated Geometry A

Course MTH211

.50 credit

- Purpose:** To explore and understand the basic geometric figures while integrating review of Algebra skills. Students will use these characteristics to see how these figures related to each other and use Algebra skills to solve problems that are unique to geometric figures.
- Content:** This course may include the study of geometric figures: points, lines, planes, angles, perpendicular lines, and parallel lines. It includes an introduction to logic, inductive and deductive reasoning, and the use of direct proof as a way of showing figures are congruent or similar. The course includes problem solving as it relates to geometric figures.
- Length:** 1 Semester
- Prerequisite:** Integrated Math I or Algebra I
- Special Notes:** Open to grades 10-12. Scientific calculator required

### **Integrated Geometry B**

**Course MTH212**

**.50 credit**

**Purpose:** This course is the second half of Integrated Geometry A.

**Content:** The course may include the study of transformations, proportions, similarity, right triangles, trigonometry, circles, area of polygons, surface area, and volume.

**Length:** 1 Semester

**Prerequisite:** Integrated Geometry A

**Special Notes:** Open to grades 10-12. Scientific calculator required.

### **Integrated Algebra II A**

**Course MTH311**

**.50 credit**

**Purpose:** This course is intended to help students better understand fundamentals of Algebra, Geometry and practical math. It is designed around logical thinking to help students prepare for the work-force or introductory college math courses and help fulfill their math requirement.

**Content:** The content may include real number properties and operations, solving equations and inequalities, triangles and other polygons, logical reasoning and problem solving, and measurement.

**Length:** 1 Semester

**Prerequisite:** Two years of any high school math

**Special Notes:** Open to grades 11-12. Scientific calculator required.

### **Integrated Algebra II B**

**Course MTH312**

**.50 credit**

**Purpose:** This course is the second half of Integrated Algebra II.

**Content:** The content may include linear systems, similar figures, transformations, probability and statistics, circles, polynomials, quadratic functions and trigonometry.

**Length:** 1 Semester

**Prerequisite:** Integrated Algebra II A

**Special Note:** Open to grades 11-12. Ohio Scientific calculator required.

### Integrated Math IV A

Course MTH411

.50 credit

- Purpose:** This class is the last of the Integrated series of math classes. This course will cover and highlight many aspects of mathematics.
- Content:** This course covers the aspects of consumer math, job-related skills, business math, and other mathematical uses in everyday life. The topics of Statistics, review of Algebra I, Algebra II, Geometry, and Trigonometry could also be covered. This class is primarily for students needing their fourth credit of math for graduation.
- Length:** 1 semester
- Prerequisite:** 3 years of any high school math
- Special Notes:** Open to grade 12. Scientific calculator required.

### Integrated Math IV B

Course MTH412

.50 credit

- Purpose:** This course is the second half of Integrated Math IV.
- Content:** This course covers the aspects of consumer math, job-related skills, business math, and other mathematical uses in everyday life. The topics of Statistics, review of Algebra I, Algebra II, Geometry, and Trigonometry could also be covered. This class is primarily for students needing their fourth credit of math for graduation.
- Length:** 1 semester
- Prerequisite:** Integrated Math IVA
- Special Notes:** Open to grade 12. Scientific calculator required.

### Algebra I A

Course MTH121

.50 credit

NCAA Approved

- Purpose:** This course is intended to help students understand, recognize and apply techniques used in Algebra.
- Content:** The content may include study of algebraic expressions, equations, and functions, linear equations, functions, and relations, linear inequalities, and systems of linear equations and inequalities.
- Length:** 1 Semester
- Prerequisite:** Grade of at least a C or higher in previous math courses
- Special Notes:** Open to grades 9-12, but may be taken in the 8<sup>th</sup> grade. Graphing calculator recommended.

## Algebra I B

**Course MTH122**  
**NCAA Approved**

**.50 credit**

- Purpose:** This course is the second half of Algebra I
- Content:** The content may include study of exponents and exponential functions, quadratic expressions and equations, quadratic functions, radical functions and geometry, rational functions and equations, and statistics and probability.
- Length:** 1 Semester
- Prerequisite:** Algebra I A
- Special Notes:** Open to grades 9-12, but may be taken in the 8<sup>th</sup> grade. Graphing calculator recommended.

## Geometry A

**Course MTH221**  
**NCAA Approved**

**.50 credit**

- Purpose:** To explore and understand the basic geometric figures. To use these characteristics to see how these figures related to each other. To use Algebra skills to solve problems that are unique to geometric figures.
- Content:** The course may include the study of geometric figures: points, lines, planes, angles, perpendicular lines and parallel lines. It includes an introduction to logic, inductive and deductive reasoning, and the use of direct proof as a way of showing figures are congruent or similar. The course includes problem solving as it relates to geometric figures. Focus is given to definitions, postulates, and theorems.
- Length:** 1 Semester
- Prerequisite:** C average in Algebra I
- Special Notes:** Open to grades 9-12. Scientific calculator is required.

## Geometry B

**Course MTH222**  
**NCAA Approved**

**.50 credit**

- Purpose:** This course is the second half of Geometry.
- Content:** The course may include transformations, proportions, similarity, right triangles, trigonometry, circles, area of polygons, surface area, and volume.
- Length:** 1 Semester
- Prerequisite:** Geometry A
- Special Note:** Open to grades 9-12. Scientific calculator is required.

## Honors Geometry

**Course**

**1.00 credit**

**NCAA Approved**

**Purpose:** This advanced level of geometry is intended to prepare exceptional math students in applications of geometry skills and concepts at an advanced rate.

**Content:** The course may include the study of geometric figures: points, lines, planes, angles, perpendicular lines and parallel lines. It includes an introduction to logic, inductive and deductive reasoning and the use of direct proof as a way of showing figures are congruent or similar. The course includes problem solving as it relates to geometric figures. Focus is given to definitions, postulates, and theorems.

**Length:** 2 Semesters

**Prerequisite:** Special Course sign up

**Special Notes:** Honors Geometry covers all the same material as regular geometry but goes more in depth and moves at a faster rate. Scientific calculator required.

## Algebra II A

**Course MTH321**

**.50 credit**

**NCAA Approved**

**Purpose:** This course is intended to apply Algebraic skills and concepts to prepare for college level mathematics.

**Content:** The content may include the study of real and complex numbers, multi degree polynomials, and functions.

**Length:** 1 Semester

**Prerequisite:** Grade of at least a C in Algebra I

**Special Notes:** Open to grades 9-12. All students are required to have a TI-83 or TI-84 graphing calculator.

## Algebra II B

**Course MTH322**

**.50 credit**

**NCAA Approved**

**Purpose:** This course is the second half of Algebra II.

**Content:** Content may include different types of functions, the graphs of those functions, and solving of related equations including quadratics, rational, exponential, and logarithmic.

**Length:** 1 Semester

**Prerequisite:** Algebra II A

**Special Notes:** Open to grades 9-12. All students are required to have a TI-83 or TI-84 graphing calculator.

## Honors Algebra II

**Course**

**1.00 credit**

**NCAA Approved**

- Purpose:** This course is intended to apply Algebraic skills and concepts to prepare for college level mathematics.
- Content:** The content may include the study of real and complex numbers, multi degree polynomials and matrices.
- Length:** 2 Semesters
- Prerequisite:** Special Course sign up
- Special Notes:** Open to grades 9-12. Honors Algebra II covers all the same material as regular Algebra II but goes more in depth and moves at a much faster pace. All students are required to have a TI-83 or TI-84 graphing calculator.

## Pre-Calculus A

**Course MTH341**

**.50 credit**

**NCAA Approved**

- Purpose:** This course is intended to help students understand trigonometric and algebraic functions, and use the knowledge to solve trigonometric equations, triangles, vectors, geometric applications, and to prepare them for calculus.
- Content:** The content may include the study of relations, trigonometric and circular functions, degree and radian measures, trigonometric identities, equations and graphs and matrices.
- Length:** 1 Semester
- Prerequisite:** Algebra I, Algebra II, and Geometry.
- Special Note:** Open to grades 10-12. All students are required to have a TI-83 or TI-84 graphing calculator.

## Pre-Calculus B

**Course MTH342**

**.50 credit**

**NCAA Approved**

- Purpose:** This course is the second half of Pre-Calculus A.
- Content:** The content may include the study of vectors, complex numbers, rectangular and polar coordinates, limits and derivatives, polynomials, rational functions, exponential and logarithmic functions.
- Length:** 1 Semester
- Prerequisite:** Pre-Calculus A
- Special Notes:** Open to grades 10-12. All students are required to have a TI-83 or TI-84 graphing calculator.



## Honors Calculus

**Course**

**1.00 credit**

**NCAA Approved**

- Purpose:** This course is intended to introduce and create a solid understanding of the concepts of limits and derivatives for the college-bound student.
- Content:** The content may include an in-depth study of continuity and limits of functions, as well as derivatives and antiderivatives and the application of each.
- Length:** 2 Semesters
- Prerequisite:** Pre-Calculus and special course sign up
- Special Notes:** Open to grades 11-12. All students are required to have a TI-83 or TI-84 graphing calculator.

## Statistics A

**Course MTH351**

**.50 credit**

**NCAA Approved**

- Purpose:** This course is intended to explore commonly used statistical techniques, apply these techniques to solve real-world problems and understand the limits of methods in making predictions/conclusions, to recognize good statistical studies and to prepare students for college level statistics class.
- Content:** The content may include study of the nature of probability and statistics, frequency distributions and graphs, data description, probability and counting rules, discrete probability distributions and normal distributions.
- Length:** 1 Semester
- Prerequisite:** Algebra II
- Special Notes:** Open to grades 11-12. All students are required to have a TI-83 or TI-84 graphing calculator.

## Statistics B

**Course MTH352**

**.50 credit**

**NCAA Approved**

- Purpose:** This course is the second half of Statistics A
- Content:** The content may include study of confidence intervals, hypothesis testing, testing difference between two samples, correlation and regression, Chi-square tests, and analysis of variance.
- Length:** 1 Semester
- Prerequisite:** Statistics A
- Special Notes:** Open to grades 11-12. All students are required to have a TI-83 or TI-84 graphing calculator.

### Intro to Engineering Design A

**Course** .50 credit  
**NCAA Approved**

- Purpose:** Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects.
- Content:** They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.
- Length:** 1 semester
- Special Notes:** This course is open to grades 9-12. Special sign-up course.
- Prerequisite:** Honors level previous Math, or B or higher in previous regular Math (no integrated).

### Intro to Engineering Design B

**Course** .50 credit  
**NCAA Approved**

- Purpose:** Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects.
- Content:** They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.
- Length:** 1 semester
- Prerequisite:** Intro to Engineering Design A
- Special Notes:** This course is open to grades 9-12.

### Principles of Engineering A

**Course MTH521** .50 credit

- Purpose:** Students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation.
- Content:** Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.
- Length:** 1 semester
- Prerequisite:** Successful completion of Intro to Engineering Design
- Special Note:** Open to grades 10-12.

### Principles of Engineering Design B

**Course MTH522** .50 credit

- Purpose:** Students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation.
- Content:** Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.
- Length:** 1 semester
- Prerequisite:** Principles of Engineering A
- Special Note:** Open to grades 10-12.

# MUSIC

## Marching Band

Course MUS101

1.0 credit

**Purpose:** To allow students an opportunity to express themselves through musical performance. Students build creativity, problem solving, responsibility, and team skills through participation in this program.

**Content:** Participation in High School Band consists of Marching and Symphonic/Concert Bands. Students are required to enroll in both sections of band each year. This is the first ten weeks of the band experience. The course will encompass fundamentals of playing and marching, and performance of a variety of styles of music during pregame and halftime shows.

The St. Marys "All-Brass" Marching Band, one of the oldest traditions and largest student organizations in our school, appears at all football games as well as numerous parade and community functions. In addition, selected festivals and other outside performance opportunities are scheduled, as well as an out of state trip every four years. Woodwind players switch to a brass instrument in the summer prior to their freshman year. Mandatory rehearsals begin in the summer months; once school begins, evening rehearsals may also be scheduled.

**Length:** 2 Semesters. Students are required to enroll in both semesters of band each year.

**Prerequisite:** Completion of the Middle School Band program, or permission of the director, with private lessons being required for remedial instruction, if necessary.

**Special Notes:** Varsity and junior varsity football players who do not participate in marching band will be expected to help move equipment during class, and complete some individual practice requirements through the fall, as assigned by the director. The course includes mandatory summer and out-of-school rehearsals and performances. Uniform and instrument rental fees are required. Junior Tri-Star students who wish to remain in the band program will be enrolled in two 0.25 credit sections of band as a "zero" period class. The classwork and requirements will be independently set by the band directors. Once a student is registered in first semester Marching Band, they are required to remain in band class for the remainder of the year. This includes Concert/Symphonic band class in the second semester.

## Concert/Symphonic Band

Course MUS112, MUS312

1.0 credit

**Purpose:** To allow students an opportunity to express themselves through musical performance. Students build creativity, problem solving, responsibility, and team skills through participation in this program.

**Content:** Participation in High School Band consists of Marching and Symphonic/Concert Bands. Students are required to enroll in both sections of band each year. This is the second semester of the band sequence. Students will perform a variety of concert band literature from multiple styles and time periods.

At the conclusion of the first semester, all students audition for placement into either Symphonic or Concert Bands. The Symphonic Band studies advanced literature of all styles, with a high level of musical excellence and maturity being required. The Concert Band emphasizes improvement of technical and musical skills to prepare them for Symphonic Band.

Performances by these groups include the Mid-Winter Contest Concert, Spring Pops Concert, OMEA District Large Group Adjudicated Event, as well as OMEA Solo and Ensemble Adjudicated Event. Some mandatory rehearsals outside of the school day may also be scheduled.

**Length:** 2 Semesters. Students are required to enroll in both semesters of band each year.

**Prerequisite:** Completion of the first semester of the band experience.

**Special Notes:** This course includes mandatory out-of-school rehearsals and performances. Uniform and instrument rental fees are required. Students are encouraged to participate in additional performance opportunities such as Pep and Jazz Bands, and honors bands across the state of Ohio.

### Blue Choir A

**Course MUS121**

**.50 credit**

- Purpose:** This tenor-bass ensemble is designed to fit the needs and desires of students who are interested in vocal music. Students who are interested in this ensemble would benefit from previous musical experience in any vocal or instrumental program offered at the middle school, however, it is not required for enrollment.
- Content:** Students should expect to participate in co-curricular music performances. The selected literature for this ensemble is representative of a comprehensive choral music curriculum. Students will be grouped by voice range and musical ability. Performance opportunities include Fall Concert (required) and Christmas Concert (required).
- Length:** 1 Semester
- Prerequisite:** None
- Fee:** \$3.00 (robe cleaning and binders)

### Blue Choir B

**Course MUS122**

**.50 credit**

- Purpose:** This tenor-bass ensemble is designed to fit the needs and desires of students who are interested in vocal music. Students who are interested in this ensemble must have previous experience in Blue Choir A.
- Content:** Students should expect to participate in co-curricular music performances. The selected literature for this ensemble is representative of a comprehensive choral music curriculum. Students will be grouped by voice range and musical ability. Performance opportunities include Solo & Ensemble (optional), Large Group (required), Mid-Winter Concert (required), Pops Concert (required), District III Honors Choir (optional), and All-State Choir (optional).
- Length:** 1 Semester
- Prerequisite:** Participation in Blue Choir A

### **Gold Choir A**

**Course MUS131**

**.50 credit**

- Purpose:** This soprano-alto ensemble is designed to fit the needs and desires of students who are interested in vocal music. Students who are interested in this ensemble would benefit from previous musical experience in any vocal or instrumental program offered at the middle school, however, it is not required for enrollment.
- Content:** Students should expect to participate in co-curricular music performances. The selected literature for this ensemble is representative of a comprehensive choral music curriculum. Students will be grouped by voice range and musical ability. Performance opportunities include Fall Concert (required) and Christmas Concert (required).
- Length:** 1 Semester
- Prerequisite:** None
- Fee:** \$3.00 (robe cleaning and binders)

### **Gold Choir B**

**Course MUS132**

**.50 credit**

- Purpose:** This soprano-alto ensemble is designed to fit the needs and desires of students who are interested in vocal music. Students who are interested in this ensemble must have previous experience in Gold Choir A.
- Content:** Students should expect to participate in co-curricular music performances. The selected literature for this ensemble is representative of a comprehensive choral music curriculum. Students will be grouped by voice range and musical ability. Performance opportunities include Solo & Ensemble (optional), Large Group (required), Mid-Winter Concert (required), Pops Concert (required), District III Honors Choir (optional), and All-State Choir (optional).
- Length:** 1 Semester
- Prerequisite:** Participation in Gold Choir A

### **Symphonic Choir A**

- Course** **.50 credit**
- Purpose:** This ensemble consists of male and female students who demonstrate outstanding qualities in choir through previous choral experience. Students are invited to audition for membership in this ensemble and must demonstrate their skills in the area of vocal production, music literacy, and seriousness of purpose in order to be considered for membership in this ensemble.
- Content:** The selected literature for this ensemble is representative of a comprehensive choral music curriculum. Students will be grouped by voice range and musical ability. Performance opportunities include the Fall Concert (required), Christmas Concert (required), and the MHS musical (optional).
- Length:** 1 Semester
- Prerequisite:** Audition and director approval
- Special Notes:** Members of this ensemble **MUST** participate both semesters.
- Fee:** \$3.00 (robe cleaning and binders)

### **Symphonic Choir B**

- Course** **.50 credit**
- Purpose:** This ensemble consists of male and female students who demonstrate outstanding qualities in choir through previous choral experience in Symphonic Choir A.
- Content:** Students should expect to participate in co-curricular music performances. The selected literature for this ensemble is representative of a comprehensive choral music curriculum. Students will be grouped by voice range and musical ability. Performance opportunities include Solo & Ensemble (optional), Large Group (required), Mid-Winter Concert (required), Pops Concert (required), District III Honors Choir (optional), and All-State Choir (optional).
- Length:** 1 Semester
- Prerequisite:** Participation in Symphonic Choir A
- Special Notes:** Members of this ensemble **MUST** participate both semesters.

### History of Pop Music

**Course MUS 145**

**.50 credit**

**Purpose:** To understand and think critically about American popular music, how our music has evolved, and its historical context.

**Content:** Students will study American popular music from the minstrelsy of the 1840's to the 1990's. Students will study both music recordings and text to engage in discussions about music, composers, bands, and their historical context. Written work and research are required. Tests are given following every two chapters.

**Length:** 1 semester

**Prerequisite:** None

### Music Theory

**Course MUS335**

**(Not offered 2022-2023)**

**.50 credit**

**Purpose:** Music theory is designed to introduce students to basic music theory, ear training, and composition skills. This class is for advanced music students who have a deep interest in understanding and creating music.

**Content:** students will be given theory workbooks and learn the fundamentals of reading music such as note names, rhythms, scale building, intervals, and more. Students will also learn basic ear training skills and be introduced to beginning composition techniques. The primary goal of the class is to prepare students who are interested in pursuing a career or major/minor in college.

**Length:** 1 semester

**Special Notes:** Students will need approval by the band directors or choir director before taking this course as it is an advanced music course.



## SCIENCE

### Physical Science – Intro to Physics

**Course SCI111** .50 credit

**NCAA Approved**

**Purpose:** The purpose of this course is to introduce students to the studies of physics while covering state standards.

**Content:** Students may cover topics such as Newton's Laws, energy, the electromagnetic spectrum, waves, and more.

**Length:** 1 Semester

**Prerequisite:** None

**Special Notes:** Open to grades 9-12; required for Grade 9

**Fee:** \$7.00, subject to moderate change

### Physical Science – Intro to Chemistry

**Course SCI112** .50 credit

**NCAA Approved**

**Purpose:** The purpose of this course is to introduce students to the studies of chemistry while covering state standards.

**Content:** Students may cover topics such as matter, its properties and changes it undergoes, the periodic table, and more.

**Length:** 1 Semester

**Prerequisite:** None

**Special Notes:** Open to grades 9-12; required for Grade 9

**Fee:** \$10.00, subject to moderate change

### Honors Physical Science

**Course** 1.00 credit

**NCAA Approved**

**Purpose:** The purpose of this course is to introduce students to the studies of chemistry and physics while covering state standards. This class may be covered at an accelerated rate and more will be expected of the students than in Physical Science. More independent/inquiry learning will occur, topics may be covered more-in-depth, more and/or different labs will be conducted, and additional topics may be covered.

**Content:** Students may cover topics such as matter, its properties and changes it undergoes, the periodic table, Newton's Laws, energy, the electromagnetic spectrum, waves, and more.

**Length:** 2 Semesters

**Prerequisite:** A "B+" average or better in 8<sup>th</sup> grade science, recommendation of the 8<sup>th</sup> grade science teacher, Special Course Sign Up; Pre-test

**Special Notes:** Open to grade 9

**Fee:** \$17.00, subject to moderate change

### Cell Biology

**Course SCI211**  
**NCAA Approved**

**.50 credit**

**Purpose:** To present a study of living things  
**Content:** This course may cover cell biology, microbiology, biotechnology, genetics, photosynthesis, and respiration.  
**Length:** 1 Semester  
**Prerequisite:** Physical Science or permission of instructor  
**Special Notes:** Open to grades 10-12; Required for grade 10  
**Fee:** \$15.00, subject to moderate change

### Interdependence of Life

**Course SCI212**  
**NCAA Approved**

**.50 credit**

**Purpose:** To present a study of living things  
**Content:** This course may cover classification, evolution, plants, and ecology.  
**Length:** 1 Semester  
**Prerequisite:** Physical Science or permission of instructor  
**Special Notes:** Open to grades 10-12; Required for grade 10  
**Fee:** \$10.00, subject to moderate change

### Honors Biology

**Course**  
**NCAA Approved**

**1.00 credit**

**Purpose:** To present a study of living things at an introductory college-level  
**Content:** This course will cover biological topics that may include the following: structure and function of biological molecules, cells, metabolism, cellular respiration, photosynthesis, meiosis, genetics, chromosomes, proteins, virus, biotechnology, evolution, speciation, bacteria, Protista, fungi, plants, animals, biodiversity, population ecology, biomes and ecosystems.  
**Length:** 2 Semesters  
**Prerequisite:** Grade 10 as a first year biology course with a "B+" average or better in Physical Science and/or recommendation of prior science teacher; Special Course Sign Up. Exceptional 9<sup>th</sup> grade students may be considered if space allows.  
**Fee:** \$20.00, subject to moderate change

## Forensics

**Course SCI245**  
**NCAA Approved**

**.50 credit**

- Purpose:** To investigate the study of forensic science and the application it has in real-world situations as well as to relate it to scientific processes and state science standards. It will teach the basic processes and principles of scientific thinking and problem solving.
- Content:** Topics covered may include probability, observation gathering, data analysis, fingerprint science, hair and fiber analysis, blood testing and typing, and lab reporting.
- Length:** 1 Semester
- Special Notes:** Open to grades 10-12
- Fee:** \$10.00, subject to moderate change

## Biology of Food

**Course SCI255**

**.50 credit**

- Purpose:** Students will apply the principles of chemistry microbiology through processing, preservation and analysis of food products.
- Content:** Preservation of food, food safety, sanitation and other related topics may be covered.
- Length:** 1 Semester
- Special Notes:** Open to grades 10-12.
- Fee:** \$20.00, subject to moderate change

## Chemistry A

**Course SCI311**  
**NCAA Approved**

**.50 credit**

- Purpose:** The purpose of this class is to introduce the student to chemical concepts, measuring and lab methods.
- Content:** Chemistry is the study of matter, its properties, and the changes it undergoes. Topics may include studies of the physical and chemical properties of solids, liquids, gases, and solutions.
- Length:** 1 Semester
- Prerequisites:** Algebra I
- Co-requisite:** Algebra II
- Special Notes:** Must take 2 semesters – SCI 311 and SCI 312. College-level science
- Fee:** \$25.00, subject to moderate change

## Chemistry B

**Course SCI312**  
**NCAA Approved**

**.50 credit**

- Purpose:** The purpose of this class is to introduce the student to chemical concepts, measuring and lab methods.
- Content:** Chemistry is the study of matter, its properties, and the changes it undergoes. Topics may include studies of the physical and chemical properties of solids, liquids, gases, and solutions.
- Length:** 1 Semester
- Prerequisites:** Algebra I
- Co-requisite:** Algebra II
- Special Notes:** Must take 2 semesters – SCI 311 and SCI 312. College-level science
- Fee:** \$25.00, subject to moderate change

## Honors Chemistry I

**Course**  
**NCAA Approved**

**1.00 credit**

- Purpose:** The purpose of this class is to introduce the student to chemical concepts, measuring and lab methods at an advanced pace, with an emphasis on deep-level conceptual analysis and quantitative problem-solving.
- Content:** Chemistry is the study of matter, its properties, and the changes it undergoes. Topics may include studies of the physical and chemical properties of solids, liquids, gases, and solutions.
- Length:** 2 Semesters
- Prerequisite:** Algebra II co-requisite, or permission of instructor; special course sign up; pre-test
- Special Note:** Open to grades 10-12
- Fee:** \$25.00

## Honors Chemistry II

**Course**  
**NCAA Approved**

**1.00 credit**

- Purpose:** The purpose of this course is to provide students with advanced preparation for college chemistry.
- Content:** This course provides continuation and in-depth study of topics covered in Chemistry I. In addition, kinetics, equilibrium, electrochemistry, and thermochemistry may be covered.
- Length:** 2 Semesters
- Prerequisite:** Chemistry I, Algebra II, Special Course Sign Up
- Special Notes:** This is a college level science.
- Fee:** \$30.00

## Physics A

**Course SCI341**  
**NCAA Approved**

**.50 credit**

- Purpose:** To help the student understand the concepts of physics, gain first-hand experience with using the scientific method, and develop problem-solving techniques by stressing the relationship of physics and how it relates to the world.
- Content:** This is a college preparatory course that may study mechanics (motion, forces, vectors, work and energy). Emphasis will be placed on learning concepts through small group interactions, laboratory activities and projects.
- Length:** 1 Semester each (2 total Semesters)
- Prerequisite:** Algebra II co-requisite or permission of instructor
- Special Notes:** Must take 2 Semesters – SCI 341 and SCI 342. Open to grades 11-12; grade 10 with permission of instructor.
- Fee:** \$20.00, subject to moderate change

## Physics B

**Course SCI342**  
**NCAA Approved**

**.50 credit**

- Purpose:** To help the student understand the concepts of physics, gain first-hand experience with using the scientific method, and develop problem-solving techniques by stressing the relationship of physics and how it relates to the world.
- Content:** This is a college preparatory course that may study mechanics (motion, forces, vectors, work and energy). Emphasis will be placed on learning concepts through small group interactions, laboratory activities and projects.
- Length:** 1 Semester each (2 total Semesters)
- Prerequisite:** Algebra II co-requisite or permission of instructor
- Special Notes:** Must take 2 semesters – SCI 341 and SCI 342. Open to grades 11-12; grade 10 with permission of instructor.

## Astronomy

**Course SCI365**  
**NCAA Approved**

**.50 credit**

- Purpose:** To help students understand where the earth fits in the pattern of the universe. To understand how the sun-earth relationship affects our everyday life.
- Content:** Topics may include moon phases and eclipses, scale and origin of the solar systems, comets and meteors, stars and constellations, galaxies, space exploration, tools of the astronomer, black holes, pulsars, and quasars. Most work will be done in class and there may be some evening observations scheduled.
- Length:** 1 Semester
- Special Notes:** Open to grades 10 – 12
- Fee:** \$5.00, subject to moderate change.

## Geology

Course SCI355

.50 credit

NCAA Approved

- Purpose:** To introduce students to the study of geology with a focus on historical patterns of change, paleontology, and modern geology.
- Content:** This course may cover topics such as the history of the Earth, fossils, oceans, life in the ocean, atmospheric characteristics, minerals, rocks, land forms, plate tectonics, prehistoric life, and the geologic time scale.
- Length:** 1 semester
- Special Notes:** Open to grades 11-12. Also open to sophomores with instructor permission. (Students who have previously taken Historical Geology, Physical Geology, or Paleontology should not sign up for this class.)
- Fee:** \$10.00, subject to moderate change

## Introduction to Zoology

Course SCI375

.50 credit

NCAA Approved

- Purpose:** To present a study of living things
- Content:** This course will include an introduction to the study of both invertebrate and vertebrate animals. The study may include but not be limited to: Arthropods, Mollusks, Sponges, Cnidarians, Fish, Birds, Amphibians, Reptiles, and Mammals. We will cover the morphology, comparative anatomy and function of various animals. **THIS COURSE WILL INCLUDE DISSECTIONS OF VARIOUS ANIMALS.**
- Fee:** \$20.00, subject to moderate change
- Prerequisite:** Biology
- Length:** 1 Semester
- Special Notes:** Open to grades 11-12; 10 with permission of instructor.

## Sports Medicine

Course SCI385

.50 credit

**Purpose:** The purpose of this course is to introduce students to the studies of sports medicine and the various topics and professions involved. The class will be most beneficial for students considering careers in the medical field, especially athletic training, physical therapy and exercise physiology. Students with a strong interest in coaching may also benefit from the material learned in class.

**Content:** Students may cover topics such as:

- Athletic training as a profession
- Anatomy
- Tissue injuries
- Head/face injuries
- Throat/thorax/abdominal/spinal injuries
- Shoulder/elbow/wrist and hand injuries
- Hip/pelvis/thigh injuries
- Knee/ankle/foot injuries
- Patient assessment and treatment
- Reconditioning programs
- Psychology and athletic training
- Planning for emergencies
- Environmental situations and injuries
- Stabilization and transportation of injured athletes
- Protective taping and wrapping and equipment
- Communicable diseases
- Common drugs used in athletics
- Nutrition and weight control

**Length:** 1 Semester

**Prerequisites:** Physiology would be beneficial but not required

**Special Notes:** Open to grades 11-12; 10 with permission of instructor

**Fee:** \$20.00, subject to moderate change

## **SOCIAL STUDIES**

### **American History A**

**Course SST111**  
**NCAA Approved**

**.50 credit**

**Purpose:** This course is designed to help students understand American History and major world events from 1876 to the present. It is specifically designed to prepare students for the citizenship graduation test given in the spring of the sophomore year.

**Content:** This course will cover political and social events from Reconstruction through modern times. The A Section will begin with Reconstruction and end with the 1920s.

**Length:** 1 Semester

**Prerequisite:** None

**Special Notes:** Both sections are required for all freshmen

### **American History B**

**Course SST112**  
**NCAA Approved**

**.50 credit**

**Purpose:** This course is designed to help students understand American History and major world events from 1876 to the present. It is specifically designed to prepare students for the citizenship graduation test given in the spring of the sophomore year.

**Content:** This course will cover political and social events from Reconstruction through modern times. The B Section will begin with the Great Depression and continue to the present.

**Length:** 1 Semester

**Prerequisite:** None

**Special Notes:** Both sections are required for all freshmen

### **Honors American History**

**Course**  
**NCAA Approved**

**1.00 credit**

**Purpose:** This course is designed to help students understand American History and major world events from 1876 to the present. It is specifically designed to prepare students for the OGT test given in the spring of the sophomore year.

**Content:** This course will cover political & social events from Reconstruction through modern times. Honors American History covers all the same material as regular American History but goes more in depth and moves at a much faster pace.

**Length:** 2 Semesters

**Prerequisite:** Open to 9<sup>th</sup> grade with recommendation from 8<sup>th</sup> grade teachers.

**Special Notes:** Required to take both semesters.



## American Government A

Course SST231  
NCAA Approved

.50 credit

- Purpose:** To help the students understand the basic principles of American Government; to encourage skills that will allow them to become productive citizens in a democracy; and to prepare them to face economic problems they will encounter as they leave the high school environment to enter adulthood.
- Content:** The “government-related content” of this course may include units on: types of world economics and governments, basic principles/history of American Government, the Constitution, basic rights and freedoms, voting, elections, political parties, interest groups, citizenship, the three branches, and state/local government. The “economic content,” which is designed to prepare students for life after high school, may include units on: various educational and vocational options, resumes, job interviews, taxes, marriage, insurance, investments, fire safety, personal finance and budgeting, and community service projects.
- Length:** 1 Semester
- Prerequisite:** Required for sophomores.
- Special Notes:** Both semesters are required for graduation.  
Research project required (written and oral components)

## American Government/Financial Literacy B

Course SST232  
NCAA Approved

.50 credit

- Purpose:** To help the students understand the basic principles of American Government; to encourage skills that will allow them to become productive citizens in a democracy; and to prepare them to face economic problems they will encounter as they leave the high school environment to enter adulthood.
- Content:** The “government-related content” of this course may include units on: types of world economics and governments, basic principles/history of American Government, the Constitution, basic rights and freedoms, voting, elections, political parties, interest groups, citizenship, the three branches, and state/local government. The “economic content,” which is designed to prepare students for life after high school, may include units on: various educational and vocational options, resumes, job interviews, taxes, marriage, insurance, investments, fire safety, personal finance and budgeting, and community service projects.
- Length:** 1 Semester
- Prerequisite:** Required for sophomores.
- Special Notes:** Both semesters are required for graduation.  
Research project required (written and oral components)

## Honors American Government

**Course**

**1.00 credit**

**NCAA Approved**

**Purpose:** To help the students understand the basic principles of American Government; to encourage skills that will allow them to become productive citizens in a democracy; and to prepare them to face economic problems they will encounter as they leave the high school environment to enter adulthood.

**Content:** The “government-related content” of this course may include units on: types of world economics and governments, basic principles/history of American Government, the Constitution, basic rights and freedoms, voting, elections. political parties, interest groups, citizenship, the three branches, and state/local government. The “economic content,” which is designed to prepare students for life after high school, may include units on: various educational and vocational options, resumes, job interviews, taxes, marriage, insurance, investments, fire safety, personal finance and budgeting, and community service projects. Honors American Government covers all the same material as regular American Government but goes more in depth in its discussion and analysis of topics.

**Length:** 2 Semesters

**Prerequisite:** Special course sign up. Must have an “A-“ or above average in social studies and English courses or social studies instructor recommendation. Must be a sophomore.

**Special Notes:** Completion of both semesters required for graduation. A research project may be required. This Honors class will have higher quality of work and grading expectations placed on its students compared to those expectations placed on the regular Government students.

## Elective Courses

### American History through Baseball

**Course SST115** **.50 credit**  
**NCAA Approved**

- Purpose:** This course is designed to trace significant movements in American History and how those events have been manifest in America's national pastime.
- Content:** This course will include both major events and changes in the history of baseball and America. The course will show how the two have reflected on each other in the American conscience. Topics covered may include: Beginnings to World War I and the Black Sox, Babe Ruth and the 1920's to Jackie Robinson and the 1940's, Expansion and Labor and Questionable Judgments from the 1950's to 1980, and Big Money and Globalization from 1980 to present.
- Length:** 1 Semester
- Special Notes:** Open to grades 10-12

### Economics

**Course SST125** **.50 credit**  
**NCAA Approved**

- Purpose:** This course is designed to give students a foundation in economic theory. It will serve to provide students with understandings of economic basics and decision making.
- Content:** This course will include topics such as supply and demand, opportunity cost, production possibilities, economic models, and fiscal policy mechanism, among others.
- Length:** 1 Semester
- Prerequisite:** Algebra I
- Special Notes:** Includes Microeconomics and Macroeconomics. Considerable readings and application assignments included.  
Open to grades 9-12

### Issues and Answers

**Course SST135** **.50 credit**  
**NCAA Approved**

- Purpose:** To help students develop awareness and understanding of controversial topics and events taking place around them.
- Content:** Topics may vary year to year, but will focus on current events, abortion, capital punishment, racial profiling and the legalization of marijuana.
- Length:** 1 Semester
- Special Notes:** Open to grades 9-12

## Geography

**Course SST145**  
**NCAA Approved**

**.50 credit**

- Purpose:** To help students develop awareness of geographical terms and to have an understanding of locations worldwide.
- Content:** This course will cover the study of the Eastern and Western hemispheres in regards to countries and famous geographical locations.
- Length:** 1 Semester
- Special Notes:** Open to grades 9-12

## The History of American Popular Culture

**Course SST155**  
**NCAA Approved**

**.50 credit**

- Purpose:** This course is designed to have students examine the various aspects of American culture. It will focus on music, art, fads, culture, and other such topics.
- Content:** An in-depth look at American pop culture including gadgets, music, film, fads over the years and American society. The bulk of the course material will focus on the 20<sup>th</sup> century. Topics may include American popular culture from the early years, Victorian age, early 20<sup>th</sup> Century up to the 1930's, the Great Depression and WWII era and modern times including the 1950's, 60's, 70's, 80's and 90's.
- Length:** 1 Semester
- Special Notes:** There will be a required outside reading for this course. Students will submit a research project for this course.  
Open to grades 9-12

## History of Warfare

**Course SST165**  
**NCAA Approved**

**(Not offered 2022-2023)**

**.50 credit**

- Purpose:** This course is designed to give students the opportunity to learn in depth about the nature of war, military tactics and technology, and military leaders. A focus will be given towards American military branches, wars, tactics, and current military politics.
- Content:** A detailed analysis of the history of warfare based upon the changes in the art of war. Focus on technology, tactics, wars throughout time, military leaders, influential battles, and the impact of war on people, society, government, and history. Topics covered may include: early wars, Greek and Persian Wars, Alexander the Great, The Romans, Muhammad and the Muslim Empires, Medieval Wars, Wars of Religion, the Revolutionary War, War of 1812, Civil War, European Wars, Wars of Imperialism, Japanese Wars, WWI, WWII, Cold War, and Modern Warfare.
- Length:** 1 Semester
- Special Notes:** Open to grades 9-12

## Ohio History

**Course SST175**

**.50 credit**

**NCAA Approved**

**Purpose:** This course is designed to instruct students on state and local history. It will serve to provide students with perspectives beyond traditional American history.

**Content:** A detailed study of the history of Ohio and the history surrounding St. Marys, Ohio, and Auglaize County.

**Length:** 1 Semester

## World History

**Course SST211**

**.50 credit**

**NCAA Approved**

**Purpose:** This course is designed to help students understand modern world history (from 1750 to the present) and is specifically designed to prepare students for the OGT given in the spring of the sophomore year.

**Content:** Among others, this course will include topics such as the Enlightenment, French Revolution, Imperialism and several review topics.

**Length:** 1 Semester

**Prerequisite:** American History

**Special Note:** Freshman in 2017 are required to take this course before graduation.

## Psychology

**Course SST335**

**.50 credit**

**NCAA Approved**

**Purpose:** Psychology is the scientific study of human behavior. This course is an introduction to this field of study. This course will provide the student with the terminology and theories one needs for further study of psychology at the college level.

**Content:** This course includes units on personality, perception, intelligence, learning, ESP and mental disorders. In addition, current topics that relate to the field are often discussed.

**Length:** 1 Semester

**Special Notes:** Open to grades 11-12

## Sociology

**Course SST345**

**.50 credit**

**NCAA Approved**

**Purpose:** Sociology is the scientific study of human relationships and society. This is an introductory course into this field of study. It introduces the student to terms, ideas, and theories that form the foundation of sociology. Students will become familiar with how our society and other cultures work.

**Content:** This course includes units on culture, social stratification, discrimination, minority groups and family. Frequently, there are class discussions involving current events that have a relationship to sociology.

**Length:** 1 Semester

**Special Notes:** Open to grades 11-12

## TRI STAR CAREER TECHNICAL EDUCATION OFFERINGS

Career Technical education is offered to students interested in learning a vocational/technical skill that is interesting and challenging. Programs are open to both male and female students. There are nine schools in the Tri Star Career Compact with the new Tri Star 2.0 building being the site for the many of the programs offered. Students in their junior and senior years may participate in one of these programs. Selection for each of the following programs is competitive and based on GPA and attendance thru the Freshman and Sophomore years. The ultimate goal of career technical education is the placement of students who have completed training, in jobs where they will perform competently and productively. Many Tri Star students also go on to a technical, two-year or four-year college program. Many of the programs are "2 + 2 Tech Prep" programs and continue the program of study at James A. Rhodes State College after graduation. Check with the guidance department for more information.

### Agricultural Industrial Technology

**Jr. Course TRI300; Sr. Course TRI400**

**3.00 credits**

**Purpose:** Ag Mechanics is a two-year Ohio College Tech Prep program that trains students to troubleshoot agricultural equipment as well as introduces them to the business end of the servicing industry. Students receive fork lift training/certification and also work on Commercial Drivers License (CDL). Students also compete against other schools in FFA competitions for prizes and scholarships. Qualifying seniors may participate in early placement during the last nine weeks of the school year.

**Career Opportunities:**

- Agricultural Service Technician
- Industrial Technician
- General Maintenance Technician
- Farm Equipment Repair
- Truck Repair and Maintenance
- Small Engine Repair and Maintenance
- Off-Road Heavy Equipment Repair
- Off-Road Sport Equipment Repair

**Special Note:** Background/coursework in agriculture would be helpful

**Location:** Tri Star 2.0, Celina

## Animal Health

Jr. Course TRI370; Sr. Course 470

3.00 credits

**Purpose:** Animal Health is a two-year Ohio College Tech Prep program which provides training in the field of animal science, veterinary medicine, and the animal industry. Students study animal health, nutrition and behavior, anatomy and physiology, medical terminology, medical conditions and diseases, safety and sanitation, and grooming and handling. They learn to assist with physical and clinical exams, hospital and laboratory procedures and minor surgery. The class will also include office or business management skills in maintaining records, inventory, pharmaceuticals, and equipment and supplies.

### Career Opportunities:

- Veterinarian/Veterinary Technologist
- Research Laboratory Assistant
- Surgical Technologist
- Kennel Attendant/Manager
- Veterinary Receptionist/Office Manager
- Animal Control Officer
- Zoo Keeper
- Animal Scientist
- Obedience Instructor/Aide
- Medical Laboratory Assistant

**Prerequisites:** Students are required to successfully complete a biology class prior to or during the junior year. It is also helpful to take as many math and science classes as possible plus agricultural related classes.

**Location:** Tri Star 2.0, Celina

## Automotive Technology

Jr. Course TRI305, Sr. Course TRI405

3.00 credits

**Purpose:** Automotive Technology is a two-year NATEF/ASE certified program. It is an Ohio College Tech Prep program and qualifying students may earn college credit at The University of Northwestern Ohio, or Universal Technical Institute. This course covers the diagnosis, repair and maintenance of cars, trucks and other vehicles. Juniors will develop skills through hands-on experience with gasoline combustion engines, automotive service and brake work. Seniors will study automotive technology in greater depth including servicing electrical systems, engine performance, suspension and steering, and heating and air conditioning. They can earn ASE Student Certifications in five of eight ASE auto areas. Qualifying seniors may also participate in early placement during the last nine weeks of the school year.

### Career Opportunities:

- Automotive, Truck, Motorcycle, or Small Engine Technician
- Service: Manager, Writer, or Advisor
- Shop Owner or Foreman
- Parts Specialist or Parts Store Employee

**Special Note:** Strong math, science and communication skills. An industrial technology background is very helpful.

**Location:** Tri Star 2.0, Celina

## Career Based Intervention

Course TRI410

3.00 credit

**Purpose:** Career Based Intervention (CBI) is a work study program that provides students with the opportunity to attend core classes at their home school as well as CBI class and includes the possibility of early release for their CBI work experience. The work experience component offers students the ability to attend school ½ day and receive credit for both. CBI students are introduced to the growing needs of the local workforce while attaining critical financial planning skills that they will need for life. Students also get a chance to develop valuable soft skills that they often use in the workforce. Students may enroll in the program as a junior and/or senior.

### Career Opportunities: Varies Based on Interest

- Customer service
- Production/assembly
- Waitress/waiter
- Public Employee (county highway)
- Machining
- Restaurant management
- Entrepreneur
- Nursing
- Construction
- Agriculture laborer
- Military
- Nursery/landscaper

**Location:** MHS

**Prerequisite:** Students must be 16 years of age or older and employable.



## Construction

Jr. Course TRI325; Sr. Course TRI425

3.00 credits

**Purpose:** Construction is a two-year program which covers all aspects of the construction industry including: safety procedures, building codes, practical math, carpentry, interior finishing, framing, roofing, plumbing and heating, electricity, house wiring, concrete work, masonry, use of hand and power tools, techniques of home design and building materials, differences and costs. The first year is spent introducing students to the basic fundamentals of construction. Senior students gain practical experience applying the skills they have learned by constructing a house which is sold at auction each spring. Qualifying seniors may participate in early placement during the last nine weeks of the school year. Construction is an Ohio College Tech Prep program.

**Career Opportunities:**

- Construction laborer
- Masonry worker
- Carpenter
- Woodworker
- General Contractor
- HVAC technician
- Plumber
- Electrician
- Flooring installer

**Special Note:** Strong industrial technology background including drafting is preferred  
Students will be expected to spend \$100-\$200 for their own tools

**Location:** Tri Star 2.0, Celina

## Early Childhood Development

Jr. Course TRI330; Sr. Course TRI430

3.00 credits

**Purpose:** Early Childhood Development Education students study children of various ages and abilities, how they learn, and how to plan appropriate activities. Classwork includes developing and writing lesson plans and learning objectives, developing and making learning games and toys, developing guidance and discipline techniques, providing inclusion for children with special needs, and encouraging play, exploration, and learning. Students utilize the Ohio Early Learning Content Standards and they have the opportunity to observe/work at various job sites to gain practical experience in teaching young children. Students accepted into the program are required to have a background check, a physical, and must be fingerprinted. Qualifying seniors may participate in early placement during the last nine weeks of the school year. E.C.E. is an Ohio College Tech Prep program. Qualifying students may earn college credit at Rhodes State College or Edison Community College.

**Career Opportunities:**

- Day Care Center Teacher
- Infant-Toddler Aide/Teacher
- Preschool Teacher/Director
- Special Needs Teacher
- Child Care Center Director
- Preschool Aide
- Elementary Teacher's Aide
- Elementary Teacher
- Nanny
- Social Service Worker

**Special Note:** Students accepted into the Early Childhood program are required by law to have a background check and must be fingerprinted. Early childhood education classes would be helpful. Students should be able to read and write, at the minimum, a 5<sup>th</sup> grade level.

**Location:** Tri Star 2.0, Celina

**Engineering Technology  
(CAD)**

**Jr. Course TRI335; Sr. Course TRI435**

**3.00 credits**

**Purpose:** Classwork consists of manual sketching, problem solving, and drawing on the Computer Assisted Drafting (CAD) system using AutoCad-2, Inventor Solid Modeling software and 3-D printers. Students will go from basic to advanced drawing plus get hands-on experience with milling machines, lathes, and CNC machines in the Precision Machining classroom. They will also learn basic welding skills and how to operate a computer controlled plasma cutter in the Welding classroom. Engineering Tech is an Ohio College Tech Prep program and a STEM program. Qualifying students may earn college credit at Rhodes State College and Wright State University – Lake Campus.

**Career Opportunities:**

- Engineering Technician
- CAD Technician
- Civil Engineer
- Mechanical Engineer
- Industrial Engineer
- Electrical Engineer
- Design Engineering Technician
- Manufacturing Engineer

**Prerequisite:** Three math courses required – one must be Geometry, should also have Computer Literacy and a background in mechanical drawing.

**Locations:** Tri Star 2.0, Celina

## Graphic Communications

Jr. Course TRI340; Sr. Course TRI440

3.00 credits

**Purpose:** Graphics is a two-year program encompassing a broad variety of techniques and technologies in printing, publishing, packaging, finishing, and digital media, found in today's technology driven and dynamic multibillion-dollar industry. Building from the foundations of communication, concepts, are taken from design to production in a wide variety of real-world scenarios to develop both the technical and creative abilities to become a successful professional. Students will gain experience in graphic design and layout, packaging, digital photography, digital file formats, pre-press operations, printing and digital output, marketing, and finishing and binding. Qualifying seniors may participate in early placement during the last nine weeks of the school year. The graphics program is an Ohio College Tech Prep program and qualifying students may earn college credit at Wright State University – Lake Campus.

### **Career Opportunities:**

- Graphic Designer
- Pre-Press Technician
- Illustrator
- Graphic Marketing Specialist
- Binding and Finishing Specialist
- Advertising Designer
- Copy Writer
- Design Engineer
- Brand Identity, Packaging, or Logo Designer
- Commercial Photographer or Printer
- Digital Production Specialist
- Multimedia Designer
- Estimator

**Special Note:** Strong Communication skills desired, creative thinking, basic computer literacy and an interest in art or photography is helpful.

**Location:** Tri Star 2.0, Celina

## Interactive Media

Jr. Course TRI350; Sr. Course TRI450

3.00 credits

**Purpose:** Interactive Media is a two year program for students interested in designing, composing, creating and producing multimedia presentations through the use of sound videos, graphics, and animation. Students will develop computer programming skills through game design. The program will include learning animation, media design, instructional application, digital imaging, two and three dimensional design, and computer programming. Software packages students will learn and utilize include Adobe: Photoshop, Illustrator, InDesign, Flash, Premiere, and Dreamweaver; HTML 5, Maya, and an introduction to programming. Interactive Media is an Ohio College Tech Prep program and qualifying students may earn college credit at Rhodes State College, Wright State University – Lake Campus, or The University of Northwestern Ohio.

### **Career Opportunities:**

- Advertising Designer
- Layout Artist
- Animator
- Digital Designer
- Production Assistant
- Web Application Development
- Graphics Presentations Specialist
- Web Page Designer
- Imaging Specialist
- Audio/Video Assistant
- Game Designer
- Multimedia Technician
- Visual Design Consultant

**Special Note:** Computer literacy and interest in art and design recommended.

**Location:** Tri Star 2.0, Celina

## IT Cybersecurity

Jr. Course TRI345; Sr. Course TRI445

3.00 credits

**Purpose:** Information Technology (IT) Cybersecurity students will train in the fundamentals of computer networking and the use of cybersecurity components to detect, mitigate, and protect against vulnerabilities and attacks of information technology systems. Areas of study will include information technology, networking/network security, cybersecurity, and cybersecurity defense and reinforcement. This is a fast growing career field with a 74% increase in openings predicted over the next five years. Jobs can be found just about everywhere computers are in use, including healthcare companies, corporations, banks, airports, local, state, and federal government, businesses, and insurance companies. Qualifying seniors may participate in early placement during the last nine weeks of the school year.

### **Career Opportunities:**

- Network Security Officer
- IT Coordinator
- Computer Technician
- Network Engineer
- Computer Scientist
- Help Desk Specialist/Technician
- Ethical hacker
- Network analyst/Administrator
- Digital Recovery Analyst
- Support Specialist
- Field Service technician
- School Technology Coordinator
- Cryptanalyst

**Special Note:** Classes in computer literacy or keyboarding with Microsoft Office are recommended. Other computer and math classes are recommended.

**Location:** Tri Star 2.0, Celina

## Med Prep

Jr. Course TRI355; Sr. Course TRI455

3.00 credits

**Purpose:** Med Prep is a two-year program in which students gain knowledge and experience in the medical professions through hands-on classroom work and general observation during the junior year, and specific job shadowing during the senior year. Areas of study include anatomy, physiology and pathophysiology, phlebotomy, medical terminology/abbreviations, human growth and development, first aide, CPR, professional ethics, and use of various types of medical equipment. Med Prep is an Ohio College Tech Prep program and a STEM program. Qualifying students may earn college credit at Rhodes State College, The University of Northwestern Ohio, or Edison Community College.

### **Career Opportunities:**

- X-ray Technician
- Medical Assistant
- Dental Hygienist
- Respiratory Therapist
- Dental Assistant
- Registered Nurse
- Dietetic Technician
- Licensed Practical Nurse
- Occupation Therapist Assistant
- Physical Therapist Assistant

**Location:** Tri Star 2.0, Celina

**Recommendations:** Biology I, Math, Algebra I and Algebra II, Geometry (required for Radiography) and ½ credit in computers. Chemistry is required for four year degree programs.

## Precision Machining

**Jr. Course TRI365; Sr. Course TRI465**

**3.00 credits**

**Purpose:** Precision Machining (Manufacturing Engineering) is a two-year Tech Prep program. This program provides training in the operation of modern metal working machine tools such as lathes, mills, drills, and grinders, including computer controlled and programmable equipment. It is a STEM program. Students in the precision machining program will have the opportunity to test for certification in the West Central Ohio Manufacturing Consortium. Qualifying seniors may participate in early placement during the last nine weeks of the school year. Precision Machining is an Ohio College Tech Prep program and qualifying students may earn college credit at Rhodes State College.

**Career Opportunities:**

- CNC Operator/Programmer
- Manufacturing Technician
- Lathe Operator
- Programmer
- Engineering Technician
- CAD Operator/Programmer

**Special Notes:** A background in industrial technology, especially the metals area, is very helpful. Also take as many math classes as possible.

**Location:** Tri Star 2.0, Celina



**REC Tech**  
**(Robotics, Electronics, and Computer Technologies)**

**Jr. Course TRI315; Sr. Course TRI415**

**3.00 credits**

**Purpose:** REC Tech is a two-year program in which students receive a strong background in electronics/electrical systems, mobile and industrial robotics, and computer systems and basic networking. Students will study FANUC robots and the basic of iRVision applications on FANUCs, PLCs, (Programmable Logic Controllers), and will learn to program microcontrollers such as basic stamps, Raspberry Pi, PICs, and Arduino. Seniors will have the opportunity to build a computer and configure networks. Students can test for IS CET certification in AC/DC, Semiconductors, Digital & Computer Technology and for FANUC industrial robotics and iRVision certifications. REC Tech prepares students to enter a two or four year postsecondary education program or go directly into the job market. Qualifying seniors may participate in early placement during the last nine weeks of the school year and qualifying students may earn college credit at Rhodes State College, and Wright State University – Lake Campus.

**Career Opportunities:**

- Industrial Robotics and Automation Technician
- Electronic Lab Technician
- Computer or Network Technician
- Audio Equipment Repairer/Installer
- Industrial Robotics Programmer
- Electronic/Electrical Sales Representative
- Data Network/Telephone/ Security System Installer
- FANUC Operator or Maintenance
- FANUC iRVision System Installer
- Engineering Technician
- Industrial Robotics Repairer

**Special Note:** Suggested having taken Algebra I, a computer applications course, basic drawing and/or CAD.

**Location:** Tri Star 2.0, Celina

## **Welding**

**Jr. Course TRI375; Sr. Course TRI475**

**3.00 credits**

**Purpose:** Welding is a two-year Ohio College Tech Prep program that gives you the technical knowledge and practical skills to enter the field of welding and metal fabrication. During the junior year of the program, students concentrate on safety instruction and MIG and SMAW fundamentals. Seniors tackle out-of-position techniques and more complex concepts of welding. Employability skills are also taught as part of the class. Qualifying seniors may participate in the early placement program during the last nine weeks of the school year.

**Career Opportunities:**

- Welder in a manufacturing plant
- Welder in a private shop
- Independent Welder
- Metal Fabricator
- Chipper/Grinder
- Welder Fitter

**Special Note:** Previous welding experience in Industrial technology would be helpful.

**Location:** Tri Star 2.0, Celina

### Memorial High School College Credit Plus (CCP) Program

Ohio's new College Credit Plus (CCP) Program can help you earn college and high school credits at the same time by taking college courses from colleges and/or universities. The purpose of this program is to promote **rigorous academic pursuits** and to provide a wide **variety of options to college-ready students**. Taking a CCP course from a public college or university is free, which means no cost for tuition, books, or fees. If you choose to attend a private college or university, you may have limited costs.

#### **What should I do if I am interested in participating?**

The first step in the process is attending a **mandatory** counseling/information session. The student and parent/guardian must sign the Meeting Attendance sheet indicating that you have attended the informational meeting.

#### Following the Meeting:

1. Go home and talk with your parents about the CCP program. Discuss the advantages/disadvantages for YOU. Think about how this will affect your high school experience. This is your only chance to experience high school — think about the social ramifications, music, athletics, clubs, etc.
2. Register for your MHS courses as if you will be here for the full day. (We can make schedule adjustments later once you have been accepted.) Please indicate on your schedule form that you are planning to participate in the CCP program for the following school year.

#### If you choose to participate in the CCP program:

1. **Step # 1:** Turn in the CCP Intent to Participate Form and Counseling Session Form (Yellow forms) to high school guidance office by the **April 1<sup>st</sup> deadline**. This indicates your interest in participating in the program and that you are aware of all of the responsibilities associated with participation in the program.
2. **Step # 2:** Explore your college options and complete the College Application for the college of your choice by the college application deadline. Applications are online.
3. **Step #3:** Complete any required placement testing. (ACT, SAT, or college specific)
4. **If accepted by college: Notify the MHS guidance staff of your college acceptance.** Bring a copy of your college schedule to the high school guidance office. It must include the name of the course, when the course meets, and how many credits it is worth. Meet with MHS guidance to finalize your high school schedule.
5. Meet with your college to complete their orientation process and meet with your college advisor to schedule college courses.

#### If not accepted by the college or you decided you do not want to participate:

**Notify the MHS guidance staff that you will not be participating in the CCP program.**

The following is the MHS pathways for Wright State University Lake Campus.



**General Education Program Requirements (WSU Core) (WSU/MHS potential courses)**

| Elements                | Required Core Course Distribution in each Element                               | Minimum Semester Hour | CC+ Course — MHS Pathway   |
|-------------------------|---|-----------------------|--|
| Communication           | One first—year writing course (3 hr)<br>One second—year writing course (3 hr)   | 6                     | ENG1100 (3) — Placement testing required or qualifying ACT English score<br>ENG2100 (3) — WSU Sophomore status (taken 2 <sup>nd</sup> semester of Senior year) |
| Mathematics             | One Core math course  | 3                     | STT2640 (4), MTH1280 (4)<br>Placement test required  |
| Global Traditions       | One interdisciplinary Global Studies course (3 hr)<br>One history course (3 hr) | 6                     | HST1100 (3)<br>ENG2310 (3) (MC/IW)   |
| Arts/Humanities         | One course  | 3                     | MUS2140 (3) (MC/IW)  |
| Social Science          | Two courses from different social science categories                            | 6                     | PSY1010 (4) (IW)<br>SOC2000(3) (IW)  |
| Natural Science         | Two lecture/lab science courses   | 8                     | BIO1050 (4)<br>EES1050 (4)<br>EES1070 (4)<br>*Placement Testing MAY be required  |
| Additional Core Courses | Two Core courses from any of the Elements                                       | 6                     | ENG2040 (3) (IW)<br>HST1200 (3)  |
| Total                   | 12 courses  | 38 hours              | 40-45  |

In addition the following competences must be met by completing courses in any Element designated as multicultural competence (MC) or integrated writing (IW).

Multicultural competence (MC) — any two Core courses designated as MC, SRV, or SRVI

Integrated writing competence (IW) — any two Core courses designated as (IW)

***(\*\*Identified courses and location of courses are subject to change\*\*)***

**MHS Scheduling of General Education Pathway - Sample**

| Junior Year 1 <sup>st</sup> Semester | Junior Year 2 <sup>nd</sup> Semester |  | Senior Year 1 <sup>st</sup> semester | Senior Year 2 <sup>nd</sup> semester |
|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|
| ENG1100 — 3                          | ENG2040 — 3                          |  | ENG2310 — 3                          | ENG2100 — 3                          |
| HST1100 — 3                          | HST1200 — 3                          |  | PSY1010 — 4                          | SOC2000 — 3                          |
| EES1050 — 4                          | BIO1050 — 4 or<br>EES1070 - 4        |  | MUS2140 — 3                          | STT2640 — 4 or<br>MTH1280            |
| 10 hours                             | 10 hours                             |  | 10 hours                             | 10 hours                             |

**MHS/WSU Lake Campus Pathways 2022-2023**

**MHS Scheduling of 15 Hr Pathway with Communication/Global Tradition Focus - Sample**

| Junior Year 1 <sup>st</sup> semester | Junior Year 2 <sup>nd</sup> semester |  | Senior Year 1 <sup>st</sup> semester | Senior Year 2 <sup>nd</sup> semester |
|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|
| ENG1100 — 3                          | ENG2040 — 3                          |  | HST1100 — 3                          | HST1200 — 3                          |
|                                      |                                      |  | ENG2310 — 3                          |                                      |

**MHS Scheduling of 16 Hr Pathway with Communication/Global Tradition Focus - Sample**

| Junior Year 1 <sup>st</sup> semester | Junior Year 2 <sup>nd</sup> semester |  | Senior Year 1 <sup>st</sup> semester | Senior Year 2 <sup>nd</sup> semester |
|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|
| ENG1100 — 3                          | ENG2040 — 3                          |  | PSY1010 — 4                          | SOC2000 — 3                          |
|                                      |                                      |  | ENG2310 — 3                          |                                      |

**MHS Scheduling of 16 Hr Pathway with Communication/Mth, & Arts/Humanities Focus - Sample**

| Junior Year 1 <sup>st</sup> semester | Junior Year 2 <sup>nd</sup> semester |  | Senior Year 1 <sup>st</sup> semester | Senior Year 2 <sup>nd</sup> semester |
|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|
| ENG1100 — 3                          | ENG2040 — 3                          |  | STT2640 — 4 or<br>MTH1280 - 4        | MUS — 3                              |
|                                      |                                      |  | ENG2310 — 3                          |                                      |

**MHS Scheduling of 17 Hr Pathway with Communication & Natural Science Focus - Sample**

| Junior Year 1 <sup>st</sup> semester | Junior Year 2 <sup>nd</sup> semester |  | Senior Year 1 <sup>st</sup> semester | Senior Year 2 <sup>nd</sup> semester |
|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|
| ENG1100 — 3                          | ENG2040 — 3                          |  | BIO1050— 4 or<br>EES1050 - 4         | EES1070 — 4                          |
|                                      |                                      |  | ENG2310 — 3                          |                                      |

## Pathway Course Descriptions 2022-2023

### COMMUNICATION (6)

#### **ENG1100 (3) — Academic Writing and Reading \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 3

Introduces students to principles of effective written communication and critical reading. Stresses invention, drafting, revising, editing, and self-assessment, along with effective critiquing and collaborating. Students may use any of the following courses to satisfy the requirements of the Core, but only one may count: ENG 1100, ENG 1110, ENG 1130, or ENG 1140.

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

#### **ENG2100 (3) — Research and Argument \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 3

Adapts principles introduced in ENG 1100 to typical university writing tasks. Stresses communicating effectively within disciplinary contexts, reading critically, and using source materials effectively in argumentative and research writing. Students may use any of the following courses to satisfy the requirements of the Core, but only one may count: ENG 2100, ENG 2110, ENG 2120, or ENG 2130.

Prerequisites: ENG 1100 FOR LEVEL UG WITH MIN. GRADE OF C OR ENG 1110 FOR LEVEL UG WITH MIN. GRADE OF C OR ENG 1130 FOR LEVEL UG WITH MIN. GRADE OF C OR ENG 1140 FOR LEVEL UG WITH MIN. GRADE OF C

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

### MATH (3)

#### **MTH1280 — College Algebra \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 4

Graphs of linear, polynomial and rational functions, exponential and logarithmic functions and equations, and systems of equations.

Prerequisites: WMTH FOR MIN. SCORE OF 04 OR DEV 0970 FOR LEVEL UG WITH MIN. GRADE OF P OR DEV 0990 FOR LEVEL UG WITH MIN. GRADE OF P

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

#### **STT2640 — Elementary Statistics \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 4

Numerical and graphical methods for finding and summarizing important features of data. Principles of designing experiments for collecting data. Introduction to probability. Confidence intervals and hypothesis testing introduction. Applications to means, proportions, two-sample comparisons, contingency tables, linear regression, and analysis of variance. Use of statistical computing package to apply methods and illustrate concepts.

Prerequisites: WMPL FOR MIN. SCORE OF 30 OR DEV 0970 FOR LEVEL UG WITH MIN. GRADE OF P OR DEV 0990 FOR LEVEL UG WITH MIN. GRADE OF P

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

### **GLOBAL TRADITIONS (6)**

#### **HST1100 (3) — Western Civilizations to 1500 \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 3

Examination of the character of the pre-modern world from prehistory through the 15th century with special attention to those aspects of ancient and medieval life that had the greatest effect on the development of Western society, politics, and culture.

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

#### **ENG2310 (3) — Comparative Literature: Non-Western Literatures \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 3

Introduction to literature from the global South, including Asia, Africa, Latin America, and the Middle East, and development of critical vocabulary for the appreciation of issues relevant to the literature. Integrated Writing course

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

### **SOCIAL SCIENCE (6)**

#### **PSY1010 (4) — Introduction to Psychology \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 4

History of psychology, research methods, biological foundations, perception, consciousness, learning, memory, cognition, language, development, motivation, emotion, social behavior, personality, health, psychopathology and therapy, and organizational psychology. Integrated Writing course.

Corequisite: PSY1010L      Required laboratory for PSY 1010    0.000 credits

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

#### **SOC2000 (3) — Introduction to Sociology \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 3

Introduction to the processes through which individuals become members of groups, organizations, institutions, and societies, and how human social interactions lead to changes in social life and structures. Integrated Writing course.

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

### **NATURAL SCIENCE (8)**

#### **BIO1050 (4) — Biology of Food**

Academic Year: 2022-2023

Credits: 4

Biological principles applied to the nature of food, its production, and use in the human body. Topics include molecular biology, photosynthesis, respiration, macro- and micronutrients, anatomy and function of digestion, nutrition, food labeling, food safety, and issues of feeding a rapidly growing human population. Three hours lecture, two hours lab.

Corequisite: BIO1050L Required laboratory for BIO 1050 0.000 Credit hours

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

#### **EES 1050 (4) - Dynamic Earth \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 4

Processes that have shaped the earth from its origin until the present. Origin and evolution of life. Focuses on understanding the nature of science by examining earth materials (minerals, rocks, fossils) and features (represented by geologic and topographic maps) and what these reveal about the past and present.

Corequisite: EES1050L Required laboratory for EES1050 0.00 Credit hours

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

#### **EES 1070 (4) – Sustainable Earth \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 4

Earth and environmental processes focusing on issues related to the mutual interaction of human society and the planet. Both human and environmental sustainability will be emphasized by exploring current topics.

4.000 Credit hours

Corequisites: [EES 1070L](#) Required laboratory for EES1070. 0.000 Credit hours

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

### **ARTS/HUMANITIES (3)**

#### **MUS2140 (3) — Music in Western Culture: Music**

Academic Year: 2022-2023

Credits: 3

Introductory survey of Western Classical Music. Students will become acquainted with the basic elements of music and develop listening skills that employ a descriptive vocabulary, examine how music functions within society, and gain new perspective on your culture by comparing your experience with people from other times.. Integrated Writing course.

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”



**ADDITIONAL CORE (6)**

**ENG2040 (3) — Great Books: Literature \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 3

Introduction to interpreting literature, using works from various periods and cultures, viewed in their social and historical contexts and read for their enduring interest. Integrated Writing course.

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

**HST1200 (3) — The West and the World since 1500 \*NCAA APPROVED**

Academic Year: 2022-2023

Credits: 3

Examination of the modern Western world emphasizing the revolutions in economics, politics, religion and other phenomena that have shaped the Western world in our own time.

“The subject matter of a course enrolled in under the college credit plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon college credit plus enrollee participation regardless of where course instruction occurs.”

***(\*\*Identified courses and location of courses are subject to change\*\*)***