

Monroe High School

2017 – 2018



Program of Studies (Course Description Booklet)

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Program of Studies

(Introduction)

Guiding a child in choosing a program of study is one of the most important tasks that all stakeholders in the educational process have. This booklet will help students plan their own program of study. Read all of it carefully before making any decisions. Many pathways of preparation are available. Some students may want to combine various pathways in order to be prepared for more than one plan after high school.

The first part of the booklet includes the Program of Studies section so that parents and students can plan the most effective educational program from the many course offerings of the Monroe Local School District's curriculum.

The second section of this booklet contains an introduction to the subject area departments, descriptions of each course offered by that department, course prerequisites, course fees, and other relevant information. A table of contents is provided to assist the reader in finding desired information.

School counselors, the curriculum director, and teachers are available to further explain and clarify this booklet's information. Counselors will schedule meetings with students to assist in the selection of subjects to be studied. Parents will be encouraged to work with students and their counselors in career planning. A part of this process may include aptitude and achievement test score interpretation. Parents and Students are free to contact the Guidance Office with any questions or concerns.

- **Sheryl Stenger (Guidance Counselor): Grades 9-12, Letters A-K**
 - sstenger@monroelocalschools.com/ 539-8471 X 1127
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We sincerely hope all students will be able to plan beneficial educational pathways in our school and will find these materials helpful in guiding each student in preparing for their future.

Class of 2018 and beyond Credits and Graduation Requirements

<i>Required Courses</i>	<i>2017 - 2018</i>
English (English I, II, III, IV)	4
Mathematics	4
Social Studies	3
Science	3
Personal Financial Management	1/2**
Health	1/2
Physical Education (2 semesters required) (1/4 credit per semester)	1/2***
Fine Arts (Music, Art, Drama)	1
Electives	4 1/2
World language	
Fine Arts	
Computer Technology and Business	
Career-technical education	
Family and consumer sciences	
English language arts	
Mathematics	
Science	
Social Studies	

****Meets the Financial Literacy/Economics Requirement**

*****Credit is not awarded for PE Waivers**

In order to graduate:

- **Class of 2018 & beyond** need 23 credits and must meet one of the Ohio Department of Education's three graduation requirement models.

Course Level Options: General, College Prep, Honors, AP, Dual Enrollment

Graduation Requirements for the Graduating Class of 2018 & Beyond

House Bill 487 updated Ohio's graduation requirements. The Class 2018 and beyond are now required to meet one of three options listed below:

1. Ohio's State Assessments:

Students must **earn a cumulative passing score of 18 points**, using **seven end-of-course state assessments**.

The 7 End-of-course exams:

- Algebra I (9th Grade)
- English I (9th Grade)
- Biology (10th Grade)
- American History (10th Grade)
- English II (10th Grade)
- Geometry (10th Grade)
- Government (11th Grade)

Each Assessment has a total value of 5 points. The lowest score is a 1. See the breakdown below (left hand column). Highest possible score on all 7 assessments is 35 points (5 points x 7 assessments = 35). As stated previously, **a student must obtain a cumulative passing score of 18 points**. However, it's also essential to be maintaining scoring benchmarks in the subcategories in Math, English, and Science/Social Studies. See the breakdown below (right hand column).

Points/ Performance Levels	ODE End-of-Course / Subcategory Requirements
• Advanced = 5pts	• English: ELA I + ELA II = At least 4 points
• Accelerated = 4pts	• Math: Algebra I + Geometry = At least 4 points
• Proficient = 3pts	• Science/Social Studies: Phys Science + Biology + Am. History
• Basic = 2pts	+ Government = At least 6 points
• Limited = 1 point	

Note: Students studying **Advanced Placement (AP)** or International Baccalaureate (IB) courses in Biology, American history or American government may take and substitute test scores for end-of-course state exams to avoid double testing. See the chart below (left hand column). Students may also substitute grades from **College Credit Plus** courses in these subjects for end-of-course state exams. See the conversion chart for CCP below (right hand column).

AP Test Point Conversion	CCP Course Conversion Chart
<ul style="list-style-type: none"> • AP Score 4 or 5 = 5 Graduation points 	CCP Course Grade A or B = 5 Graduation Points
<ul style="list-style-type: none"> • AP Score 3 = 4 Graduation Points 	CCP Course Grade C = 4 Graduation Points
<ul style="list-style-type: none"> • AP Score 2 = 3 Graduation points 	CCP Course Grade D = 3 Graduation Points
<ul style="list-style-type: none"> • No other points given for lower AP Scores 	Points not earned with a grade of a D or F

2. Industry credential and workforce readiness:

Students earn 12 points through a State Board of Education-approved, **industry-recognized credential or group of credentials** in a single career field and achieve a **workforce readiness score** on the *WorkKeys* assessment. The state of Ohio will pay one time for those who take the *WorkKeys* assessment.

3. College admission test:

Students earn “remediation-free” scores in English language arts and mathematics on a nationally recognized college admission exam. The state of Ohio will pay one time for all 11th grade students in the classes of 2018 and beyond to take the exam free of charge.

To read more about the graduation requirements for the class of 2018 and beyond, check the Ohio Department of Education’s website at:

<http://education.ohio.gov/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2018-and-Beyond>

State Approved Criteria for Diploma with Honors

Each school district shall award the Diploma with Honors to any student who:

- Successfully completes the high school curriculum or individualized education program developed for the student by the high school;
- Has attained at least the applicable scores demonstrating competency on all five subtests of the high school graduation test;
- Meets the criteria for honors provided below:

Honors Diploma Requirements:

The student who completes the *high school academic curriculum* shall meet at least seven of the following eight criteria:

1. Earn four units of English;
2. Earn at least 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;
3. Earn at least four units of science including one unit of Physics and one unit of Chemistry;
4. Earn four units of social studies;
5. Earn either three units of one World Language or two units each of two World Languages;
6. Earn one unit of fine arts;
7. 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; or
8. Obtain a composite score of 27 on the American College Test's ACT assessment (excluding the optional writing test) or a combined score of 1210 on the College Board's SAT verbal and mathematics sections (excluding the required writing section).

The student who completes an intensive *career-technical education curriculum* shall meet at least seven of the following eight criteria:

1. Earn four units of English;
2. Earn at least 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;
3. Earn at least four units of science including two advanced sciences;
4. Earn four units of social studies;

5. Earn four units in a career-technical education program that leads to an industry-recognized credential, results in an apprenticeship or is part of an articulated career pathway, which can lead to post-secondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio career-technical competency assessment or the equivalent;
6. Achieve the proficiency benchmark established for the Ohio Career-Technical Competency Assessment (available at http://www.webxam.org/info_docs.asp, with additional content available by clicking [here](#)) or equivalent assessment aligned with state-approved and industry validated technical standards; or
7. 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; or
8. Obtain a composite score of 27 on the American college testing service's ACT assessment (excluding the optional writing test) or a combined score of 1210 on the college board's SAT verbal and mathematics sections (excluding the score obtained on the required writing section).

Monroe High School Scheduling of Courses Guidelines

All students in grades 9-12 are required to register for full schedule of course work. No senior may graduate early unless all parts of the Ohio Graduation Test have been passed. In addition, any junior who plans to graduate early must see their guidance counselor to complete an early graduation form and submit it to the guidance office prior to May 1.

As the 2017-2018 scheduling process begins, the counseling staff would like both parents and students to be aware of the scheduling procedure and encourage a joint partnership in this process. Staff members who teach core subjects (Language Arts, Math, Science, and Social Studies) will meet with students during class time and will make subject specific course recommendations for the 2017-2018 school year. We are calling this "Teacher-Talk Day" (official date: TBA). Students will be given a "Teacher-Talk Day" document to have signed by the teacher and parent to verify core class selections. In late January / early February guidance counselors will meet with the students in their Language Arts classes and review the "Teacher-Talk Day" document and begin to fill out their course verification sheets.

Schedule Changes:

In order to allow time for proper planning, students and parents are asked to make course choices well in advance of the next school year. These choices are finalized on the basis of thorough student, teacher and parent consultation, examination of the course booklet, and opportunities for student-counselor-parent conferences. The teacher, facility, and budget commitments are then made.

A student **has the potential to change the academic level** (AP/Honors/Academic/General) of an English, Math, Science or Social Studies course, drop a foreign language course or switch from an elective to a study hall without academic penalty **between the 11th and 15th day of school.**

Procedures are as follows:

1. **Drop/add form** must be obtained from the teacher of the course he/she is desiring to drop. All parts of the form must be completed in order to request a change of any kind.
2. The completed form must be given to the Guidance Office between days 11 – 15 of school.
3. The grade the student currently has in the English, Math, Science or Social Studies course **WILL** follow him/her to the course in which they transfer.
4. The counselors will review the student's current schedule to see if the proposed switch can be made.
5. The counselor will meet with the student to discuss scheduling options.

If a student chooses to withdraw from a course after the 15th school day and the **course does not** have a corresponding course to take, he/she will receive a **Withdraw/F on the transcript, and the "F" WILL be figured into his/her CUM GPA.** After the 15th day of school, students may potentially change academic levels of an English, Math, Science or Social Studies course using the following guidelines:

1. Students must follow the same drop/add form procedures as outlined above.
2. A switch may only take place at the end of a quarter, and grades will follow the student.

Class rank

The Monroe system of class rank rewards students who take more difficult courses.

The following procedure will be followed for calculating class rank, starting with the Class of 2015:

1. Each quarter grade will be valued using the following numbers:
 - A = 4 points
 - B = 3 points
 - C = 2 points
 - D = 1 point
2. Each semester grade is converted to its equivalent value (4, 3, 2, or 1).
3. Each student will receive an additional .025 points per semester for completion of the following classes:

English I, II and III Honors, Geophysical Science Honors, Biology Honors, Physics, Honors Geometry, Honors Algebra II, Honors Pre – Calculus, Calculus, World Studies Honors, and American History Honors

4. Each student will receive an additional .05 points per semester for completion of the following classes:

AP Government, AP US History, Dual Enrollment Anatomy and Physiology, Dual Enrollment Spanish IV & V, Dual Enrollment English IV and AP Calculus

Weighted Grade Administrative Guidelines for Transfer Students

When a student enters Monroe High School from another district, students will receive weighted credit using the below criteria:

1. The student will receive weighted credit for any AP, Dual Enrollment, CCP and/or Honors/Advanced course if the course is offered during the same year which Monroe offers it. For example, 2014-15 year Monroe offers English 2 Honors and the transfer student took English 2 Honors during the same year at his/her previous school.
2. The weight added to a particular course on the student's new Monroe transcript would follow Monroe's weighted policy for the year the course was taken at the previous school.
3. Weighted credit will not be given for any AP/Honors course which Monroe does not offer at the time the course was taken by the student at the previous school.
4. In regards to class rank and weighted credit for transfer students...

All AP/Honors courses and College Credit Plus courses which a student received weighted credit for will be added into their GPA for class rank purposes in accordance with MLS Class rank Policy.

Monroe Local Schools District Grade Scale

Letter	Percent	Quality Points
A	100 - 93	4.00
A-	92.9 - 90	3.67
B+	89.9 - 87	3.33
B	86.9 - 83	3.00
B-	82.9 - 80	2.67
C+	79.9 - 77	2.33
C	76.9 - 73	2.00
C-	72.9 - 70	1.67
D+	69.9 - 67	1.33
D	66.9 - 63	1.00
D-	62.9 - 60	0.67
F	Below 60	0.00

Credits will be earned on a semester basis:

Quarters will each carry a **40%** weight and the exam **20%** to determine final grade.

1st Q = 40% **2nd Q = 40%** **Exam = 20%**

Passing grades must be achieved in at least 2 of 3 grades in the semester
(Each quarter, and semester exam).

How to Calculate Your Grade

The Southwest Ohio Computer Association (SWOCA) handles our technology needs in regard to managing grades and transcripts. Below is an explanation of how to calculate your semester grades using this system, **reference these tables when following the steps outlined below:**

Progressbook Conversion		Range of Scores for Calculation		Monroe Grading Scale and Quality Points		
Letter	Gradebook Points	Quality Points	Letter	Letter	Quality Points	Percent
A	11.00	0.00	F	A	4	100 - 93
A-	10.00	0.49	F	A-	3.67	92.9 - 90
B+	9.00	0.50	D-	B+	3.33	89.9 - 87
B	8.00	1.49	D-	B	3	86.9 - 83
B-	7.00	1.50	D	B-	2.67	82.9 - 80
C+	6.00	2.49	D	C+	2.33	79.9 - 77
C	5.00	2.50	D+	C	2	76.9 - 73
C-	4.00	3.49	D+	C-	1.67	72.9 - 70
D+	3.00	3.50	C-	D+	1.33	69.9 - 67
D	2.00	4.49	C-	D	1	66.9 - 63
D-	1.00	4.50	C	D-	0.67	62.9 - 60
F	0.00	5.49	C	F	0	Below 60
		5.50	C+			
		6.49	C+			
		6.50	B-			
		7.49	B-			
		7.50	B			
		8.49	B			
		8.50	B+			
		9.49	B+			
		9.5	A-			
		10.49	A-			
		10.5	A			
		11	A			

1. Take the letter grade earned for each quarter and convert it to a number using the first table labeled “Progressbook Conversion.”
2. Use those values to calculate 40% of each quarter combined with 20% of the exam grade.
 - a. $.40(\text{quarter 1}) + .40(\text{quarter 2}) + .20(\text{exam})$
3. That value will fall into a range on the second table labeled “Range of Scores for Calculation.”
4. That will give you your letter grade for the semester and you can find the quality points needed for your GPA on the third table labeled “Monroe Grading Scale and Quality Points.”

Example

1st Quarter: **86% = B** 2nd Quarter: **91% = A-** Exam: **78% = C+**

➤ **Table 1:**

- B = 8.00 A- = 10.00 C+ = 6.00
- 40% of quarter 1 + 40% of quarter 2 + 20% of the exam
- $.40(8.00) + .40(10.00) + .20(6.00) = 8.4$

➤ **Table 2:**

- 8.4 = B

➤ **Table 3:**

- B = 3.00 Quality Points

Awarding of Credit for Courses

1. Year-Long Courses: Students will be awarded $\frac{1}{2}$ credit at the end of each semester when achieving a grade of D or higher.
2. CCP Courses: If a CCP course is worth 3 or more college credits, the student will receive 1 high school credit at the completion of the course, when achieving a D or higher. If it is less than 3 college credits, the college credits convert proportionally.
3. CCP/Dual Enrollment Courses: Students will be awarded 1 credit for each semester, when achieving D or higher. CCP courses taken over the summer will be awarded credit at the end of the "Fall Semester".
4. AP courses: Students will be awarded $\frac{1}{2}$ credit at the end of each semester when achieving a grade of D or higher.
5. Semester-long courses: Students will be awarded $\frac{1}{2}$ credit at the completion of the course, when achieving a D or higher, except for PE courses. PE courses are awarded $\frac{1}{4}$ credit at the end of a semester course.
6. A student's Cumulative GPA is recalculated at the end each semester. Only final grades are calculated into a student's CUM (Cumulative) GPA.

Criteria for AP courses are listed in the Course Description booklet; however, students not meeting the criteria for AP courses may enroll in these courses if they do the following:

1. Meet with the counselor and review the course content;
2. Complete the parental permission form to enroll in the course;
3. Obtain permission from the teacher of the course; and
4. Student and parent sign a waiver statement that the student does not meet the stated entry requirements.
5. Students taking the AP courses must take the AP test.

Educational Options - Guidelines

The State Department of Education describes “Educational Options” as “activities and experiences which may be provided in accordance with board policy to supplement the regular school program.” Such options include:

1. **Correspondence Course** - systematic instruction by mail or electronic media between a pupil and instructor in accordance with board policy.
 2. **Educational Travel** - an educational activity involving travel in accordance with board policy under the direction of a person approved by the board and parent.
 3. **Mentor Program** - an educational activity including advanced or in-depth work by an individual pupil in accordance with board policy under the direction of a non-certificated or certificated individual. Mentors shall be individuals selected in accordance with board criteria and subject to parent approval.
 4. **Tutorial Program** - an educational activity involving work by an individual pupil
 - a. Under the direction of a certificated teacher in accordance with board policy.
 5. **Independent Study** - an educational activity involving advanced or in-depth work by
 - a. An individual pupil under the direction of a certificated member of the school staff in accordance with board policy.
 6. **CCP (College Credit Plus)** – college courses for high school credit.
 - a. **Dual Enrollment** – college level courses offered at Monroe High School through a local university. Students enrolled in these courses receive high school credit and can receive college credit.
 7. **On-line Learning Options** – courses are available under special circumstances, and with
 - a. approval of the guidance counselor and administrator
 8. **Credit Flexibility** - Credit Flexibility Plans (CFP) are educational experiences where the
 - a. primary acquisition of knowledge and skills takes place outside of Monroe High School’s
 - b. (MHS) classrooms. Please refer to the district website or the guidance office for more information.
-
- **Educational options are programs other than established regular and special education programs. To participate, all students involved in an educational options program must complete the appropriate form. Please contact Jody Long, Curriculum Director, for more information on these educational options at 360-0700.**

Exemption of Physical Education Credit

Students in the Monroe Local School District who successfully complete two full seasons of interscholastic athletics, marching band, or cheerleading may be excused from the high school physical education requirement. **Two full seasons is defined as two separate sports seasons for all interscholastic sports with the exception of bowling and marching band. Two full seasons for marching band and bowling is defined as four separate sports seasons. For Example: One sports season equals one half of PE requirement for interscholastic sports. Two separate sports seasons equals one half of the PE requirement for marching band and bowling.** The “two full season” requirement must be completed by the student’s junior year to eliminate the possibility of seniors being caught in a position of lacking physical education requirements.

Those students excused from the high school physical education requirement are still required to earn 23 credits for graduation from the Monroe Local School District.

Process for exemption:

1. Students must complete the registration form **at least 10 days before the start of the season’s practice**. It is recommended that students apply for the waiver during regular scheduling of classes in the spring prior to the new school year. Students desiring to be excused from physical education requirements must complete the registration form declaring their intent.
2. Counselors will have waiver forms available during the scheduling process. **Students must complete and return the PE exemptions forms to the athletic office or band director**. Forms will not be accepted outside of the 10 day window.
3. The athletic office/ band director will keep the forms during the current sports season. At the end of the sports season (no later than a week after the last game/ match/ competition), the athletic office/ band director will work with the coaches/ advisors to verify that a season has been successfully completed.
4. Upon verification, the athletic office/ band director will send forms to counselors for transcript records.
5. A form must be completed for each new season declaring the student’s intent to seek exemption from physical education.

College Credit Plus (CCP) - College Courses for High School Credit

Ohio's new College Credit Plus program helps students earn high school and college credit by taking college courses through colleges and universities during the Monroe School District's school year. These include dual enrollment courses offered at Monroe High School, courses students take at an actual university and online. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students.

CCP Questions & Answers

- Ohio students in grades 7-12 can apply for College Credit Plus admission to any Ohio public or participating private college. The college will admit you based on your college-readiness in one or more subject areas.
- Taking a college course from a public college or university College Credit Plus is free to the student. That means no cost for tuition, books or fees. If you choose to attend a private college or university, the student may have limited costs.
- All CCP courses are included in a student's high school transcript. All CCP courses will be computed into a student's GPA and will receive the same weighted scale as AP courses at Monroe.
- College credits earned through CCP courses are not guaranteed to transfer to other colleges and universities. Each individual college determines which courses for they will accept credit.
 - Many public universities in Ohio accept CCP college credit awarded through other Ohio public universities. Check out Ohio Transfer To Degree Guarantee for more info: <https://transfercredit.ohio.gov/ap/1>
 - Out-of-state institutions and private colleges which a student is seeking to attend will evaluate credit earned through CCP courses on a case-by-case basis. The student should contact the institution to find out if credit is awarded.
- High school graduation requirements will not be waived as a result of participation in College Credit Plus. Students must meet all graduation requirements in order to graduate on time.
- Classes failed or withdrawn with an "F" will receive an "F" on the high school and college transcripts and will be computed into the high school and college GPA.
- Students who leave Monroe High School early to take CCP courses through a college or university may not be able to fit all of their requested/required courses into their Monroe High School class schedule. The Monroe High School master schedule is built to best accommodate all student course requests, which may not provide the opportunity for CCP students to have all of the courses they requested.

For more information on CCP please visit Ohio Higher Education's website at:
<https://www.ohiohighered.org/ccp>

Extracurricular Guidelines (Grades 7 – 12)

- A student who does not achieve a **1.75 grade point average in the previous quarter** will be **ineligible** to participate in extracurricular activities during that quarter. If, at the end of the quarter a student achieves a 1.75 grade point average or above, the student will be eligible to participate during the following quarter. Beginning in grade seven, students are exempt from this rule for the first quarter only; however the policy will apply to all students in each remaining quarter of junior/senior high school.
- The Ohio High School Athletic Association requires that a student must have received passing grades in a minimum of **five one-half credit courses**, or the equivalent in the immediately preceding grading period in order to be eligible to participate.
- All **CCP students** involved in extracurricular activities must provide confirmation of their grades to the Athletic Director by the end of each quarter to determine eligibility.

Early Release

- Due to funding from the State of Ohio, we will **no** longer be offering Early Release for students. The only exceptions to this rule are students participating in CCP and/or CBIP.

NCAA Requirements

If you are planning to participate in Collegiate Athletics, please make sure you meet with your Guidance Counselor and/or Athletic Director for specific requirements.

The minimum number of required core courses is 16. GPA is based on a minimum grade point average in a successfully completed core curriculum that includes **at least 16 core courses** in the following areas:

English	4 years
Mathematics	3 years (Algebra I and above)
Natural/Phys. Science	2 years (including at least one laboratory course)
Social Studies	2 years

Additional courses in: English, Mathematics, or Physical Science -1 year.

Additional Academic Courses: 4 years in any of the above areas or world language, philosophy, or non-doctrinal religion (e.g. comparative religion courses).

Students must have a core-course grade-point average (based on a maximum of 4.0) and a combined score on the SAT verbal and math sections or a sum score on the ACT based on the qualifier index scale. Senior athletes need to see the guidance counselor regarding the NCAA Clearing House requirements. NCAA guides are available in the guidance office. The NCAA website is: www.ncaa.org.

NAIA Eligibility

The NAIA Eligibility Center will determine your eligibility based on your academic record and additional information you provide.

High School Students

If you graduate from high school this spring and enroll in college this coming fall, the requirements are simple. High school graduation, plus two out of three of these requirements:

1. Achieve a minimum of 18 on the ACT or 940 on the SAT
2. Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale
3. Graduate in the top half of your high school class

Early Decisions for High School Seniors

Students who have completed their junior year of high school with an overall 3.00 GPA on a 4.00 scale OR students who have completed the first half of senior year with an overall 2.5 GPA on a 4.0 scale, plus the minimum test scores required (18 ACT or 940 SAT), may receive an eligibility decision early in the senior year. To receive an early decision, register with the NAIA Eligibility Center, have your high school send official transcripts to the Eligibility Center and contact ACT or SAT to have their test scores sent directly (the NAIA code is 9876 with ACT and SAT).

Program of Required Studies for School Year 2016-2017

These courses are required for the grades listed:

<u>Grade 9</u>		<u>Grade 10</u>		<u>Grade 11</u>		<u>Grade 12</u>	
Eng. I	1 credit	Eng. II	1 credit	Eng. III	1 credit	Eng. IV	1 credit
Math	1 credit	Math	1 credit	Math	1 credit	(Or other English option)	
Science	1 credit	Science	1 credit	Science	1 credit	Math	1 credit
World Studies	1 credit	Am. History	1 credit	Government	1 credit	Elective	4 credit
Phys Ed	¼ credit	Phys. Ed.	¼ credit	Consumer Economics	½ credit	If not taken in 11th Gd. Consumer Economics	
Health	½ credit	Elective	2 ½ credit	Elective	2 ½ credit		½ credit
Elective	2 credit						

Suggested Patterns of Preparation for College

Colleges have different requirements for admission. Students should be aware of these different requirements when choosing a high school program. In preparing for college, students should elect a full academic schedule for four years of high school. Electives may be profitably selected from all departments. To perform well on college entrance exams, a student must have a solid academic preparation. A college preparatory curriculum should include at least the following:

English A minimum of four units of high school course work in this area, with subjects taken to emphasize the acquisition of writing skills.

Mathematics A background of not less than four units of mathematics based upon Algebra I, Geometry, Algebra II.

Social Studies At least three units of social studies in the areas of American History, World History, and American Government.

Science At least three units of science.

World Language Two units of course work in the **SAME** world language.

Fine Arts One unit of fine arts (Music, Visual Art, Dance, or Drama)

These are the recommendations for an Ohio state-supported college.

I. Colleges or Universities

Counselors can supply you with information on specific college requirements. Many colleges are in the process of raising standards. Please check carefully with the counselor on college requirements. Any student who has not completed admission requirements may be admitted to the college and will be expected to correct any deficiencies in addition to pursuing the course work necessary for regular degree programs. CAREFUL attention needs to be given concerning admission requirements to colleges you are considering.

II. Highly Selective Colleges

Highly selective colleges require four years of English, Math, Science, three years of Social Studies, and prefer three/ four years of the same World Language. This pattern is primarily for those who have been in advanced programs and participated in rigorous coursework. Counselors can supply you with information on specific college requirements.

Visit the Monroe High School Guidance webpage for information on the College Search process and colleges admissions requirements

BUTLER TECHNOLOGY & CAREER DEVELOPMENT SCHOOLS

Butler Tech offers several “College Tech Prep” programs at four campus locations (Natural Science Center, Bioscience Center, School of the Arts, and D. Russel Lee). Programs identified as “**College Tech Prep**” prepare students for the technical occupations of the future. It is an option which combines secondary education and higher education leading to an associate degree or beyond. College Tech Prep program integrates academic, occupational and employability competencies at all educational levels. Curriculum competencies are designed jointly by local business, industry, and labor representatives along with high school teachers and college faculty.

College Tech Prep Programs

<p>NATURAL SCIENCE CENTER Director: Chad Packer packer@butlertech.org</p> <ul style="list-style-type: none"> • Equine Science • Landscape Design & Building • Veterinary Science 	<p>D. RUSSEL LEE Counselors: Penny Osborne, osbornep@butlertech.org and Tracy Donovan, donovant1@butlertech.org</p> <ul style="list-style-type: none"> • Auto Collision • Automotive Technology • Construction Technology • Commercial Arts • Cosmetology • Criminal Justice • Culinary Arts • Digital Media • Early Childhood Education • Firefighting Technology • Information Technology • Power Driven Equipment • Precision Machining • Teacher Academy • Welding Technology
<p>BIOSCIENCE CENTER Counselor: Laurie Mischell mischelll@butlertech.org</p> <ul style="list-style-type: none"> • Biomedical/PLTW • Dental Assisting • Exercise Science • Health Technology 	
<p>SCHOOL OF THE ARTS Counselor: Amanda Howard howarda@butlertech.org</p> <ul style="list-style-type: none"> • Dance • Music/Rock • Theater • Visual Design 	

Characteristics of a College Tech Prep Student

- Grade point average of 2.5 or higher
- Capable, bright, possibly underachieving
- 90% or higher attendance
- “C” or better in Algebra I
- Manually or mechanically oriented
- May achieve satisfactorily “rote” learning, but is capable of better than average achievement if engaged in hands-on/applied techniques during the learning process
- May be interested in postsecondary education but currently is unsure
- Interested in technology/science
- Likes/favors practical applications of concepts being taught
- Sense of follow through; completes assignments

Course Offerings by Grade Level

Ninth Grade Course Offerings

Language Arts		Mathematics	
Course	Credit	Course	Credit
English I	1	Algebra I	1
English I Honors	1	Geometry	1
Drama I	½	Geometry Honors	1
Drama II	½		
Public Speaking	½		

Science		Social Studies	
Course	Credit	Course	Credit
Geophysics	1	World Studies	1
Geophysics Honors	1	World Studies Honors	1
		World Geography	½

Phys Ed & Health		Foreign Language	
Course	Credit	Course	Credit
Physical Education	¼	German I	1
Health	½	Spanish I, II	1
Sports Medicine	½		

Visual Art		Music	
Course	Credit	Course	Credit
Visual Art	½	Mixed Choir	½ per semester
2D Painting I	½	Monroe Chorale	½ per semester
2D Drawing	½	Concert Band	½ per semester
3D Ceramics I	½	Marching Band	0
3D Sculpture	½	Guitar I	½
Digital Design	½	Guitar II	½
Mixed Media Creations	½		

Computer Tech & Business		Work & Family Studies	
Course	Credit	Course	Credit
Computer Applications	½	Culinary Fundamentals	½
Intro to Business	½	Human Growth and Dev	½
Evolution of Games	½	Leadership and Community	1
Game Design	½	Personal Wellness	½
Web Design I	½		
Game-maker Program I	½		

Tenth Grade Course Offerings

Language Arts		Mathematics	
Course	Credit	Course	Credit
English II	1	Algebra I	1
English II Honors	1	Geometry	1
Drama I	½	Geometry Honors	1
Drama II	½	Algebra II	1
Public Speaking	½	Algebra II Honors	1

Science		Social Studies	
Course	Credit	Course	Credit
Biology	1	American History	1
Biology Honors	1	American History Honors	1
		AP US History	1
		World Geography	½
		Psychology	½

Phys Ed & Health		Foreign Language	
Course	Credit	Course	Credit
Team & Lifetime Sports	¼	German I, II	1
Weight Training	¼	Spanish I, II, III	1
Sports Medicine	½		

Visual Art		Music	
Course	Credit	Course	Credit
Visual Art	½	Mixed Choir	½ per semester
2D Painting I & II	½	Monroe Chorale	½ per semester
2D Drawing	½	Concert Band	½ per semester
3D Ceramics I & II	½	Marching Band	0
3D Sculpture	½	Guitar I	½
Digital Design	½	Guitar II	½
Mixed Media Creations	½		

Computer Tech & Business		Work & Family Studies	
Course	Credit	Course	Credit
Computer Applications	½	Culinary Fundamentals	½
Intro to Business	½	Human Growth and Dev	½
Accounting	½	Leadership and Community	1
Evolution of Games	½	Personal Wellness	½
Game Design	½		
Web Design I	½		
GameMaker Programming I & II	½		

Eleventh Grade Course Offerings

Language Arts		Mathematics	
Course	Credit	Course	Credit
English III	1	Algebra I 1	1
English III Honors	1	Geometry	1
Drama 1	½	Algebra II	1
Drama 2	½	Algebra II Honors	1
Public Speaking	½	Pre-Calculus 1	1
		Pre-Calculus Honors	1

Science		Social Studies	
Course	Credit	Course	Credit
Chemistry	1	World Geography	½
Physics	1	Psychology	½
Zoology	1	AP US History	1
Anatomy and Physiology	1	Government	1
Environmental Science	1	AP Government	1
Forensics I	½	Per Financial Manage	½
Forensics II	½		

PE/Health		Foreign Lang	
Course	Credit	Course	Credit
Team & Lifetime Sports	¼	German I, II, III	1 credit each
Weight Training	¼	Spanish I, II, III, IV	1 credit each
Sports Medicine	½	Dual Credit Spanish IV	1 credit per semester
Health	½		

Visual Art		Music	
Course	Credit	Course	Credit
Visual Art	½	Mixed Choir	½ per semester
2D Painting I & II	½	Monroe Chorale	½ per semester
2D Drawing	½	Concert Band	½ per semester
3D Ceramics I & II	½	Marching Band	¼ per season grades 10-12
3D Sculpture	½	Guitar I	½
Digital Design	½	Guitar II	½
Mixed Media Creations	½		
Computer Tech & Business		Work & Family Studies	
Course	Credit	Course	Credit
Computer Applications	½	Consumer Economics	½
Intro to Business	½	Culinary Fundamentals	½
Evolution of Games	½	Human Growth and Dev	½
Game Design	½	Leadership and Community	1
Web Design I	½	Personal Wellness	½
GameMaker Programming I & II	½		

CBIP Career Based Intervention Programs	
Course	Credit
CBIP Related	½ per semester
CBIP Core Subject	½ per semester
CBIP COOP	1-3 credits

Twelfth Grade Course Offerings

Language Arts		Mathematics	
Course	Credit	Course	Credit
English IV	1	Algebra I 1	1
English IV Dual Enrollment	1 credit per semester	Geometry	1
Drama 1	½	Algebra II	1
Drama 2	½	Algebra II Honors	1
Public Speaking	½	Pre-Calculus 1	1
		Pre-Calculus Honors	1

		Consumer Math	1
		Quantitative Reasoning	1

		Calculus	1
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Science		Social Studies	
Course	Credit	Course	Credit
Chemistry	1	Multicultural Studies	½
Physics	1	History through Film I	½
Zoology	1	History through Film II	½
Anatomy and Physiology	1	Consumer Economics	½
Environmental Science	1	AP Government	1
Forensics I	½	Government	1
Forensics II	½	AP US History	1

Dual Credit Anatomy and Physiology	1 credit per semester		
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PE/Health		Foreign Lang	
Course	Credit	Course	Credit
Team & Lifetime Sports	¼	German I, II, III, IV, V	1 credit each
Weight Training	¼	Spanish I, II, III, IV, V	1 credit each
Sports Medicine	½	Dual Credit Spanish IV	1 credit per semester
Health	½	Dual Credit Spanish V	1 credit per semester

Visual Art		Music	
Course	Credit	Course	Credit
Visual Art	½	Mixed Choir	½ per semester
2D Painting I & II	½	Monroe Chorale	½ per semester
2D Drawing	½	Concert Band	½ per semester
3D Ceramics I & II	½	Marching Band	¼ per season grades 10-12
3D Sculpture	½	Guitar I	½
Digital Design	½	Guitar II	½
Mixed Media Creations	½		
Computer Tech & Business		Work & Family Studies	
Course	Credit	Course	Credit
Computer Applications	½	Consumer Economics	½
Intro to Business	½	Culinary Fundamentals	½
Evolution of Games	½	Human Growth and Dev	½
Game Design	½	Leadership and Community	1
Web Design I	½	Personal Wellness	½
Game-maker Program I	½		

CBIP Career Based Intervention Programs	
Course	Credit
CBIP Related	½ per semester
CBIP Core Subject	½ per semester
CBIP COOP	1-3 credits

Course Descriptions

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- **We will make every attempt to offer the courses described in this booklet. However, course offerings are subject to change depending on financial and space constraints.**
- **Fee amounts to be announced in the spring of 2017.**

Computer Technology & Business Education

RECOMMENDED GRADE AVAILABLE

ELECTIVE COURSES	9	10	11	12
Computer Applications	E	E		
Introduction to Business	E	E	E	E
Accounting		E	E	E
Web Design I	E	E	E	E
Web Design II	E	E	E	E
Evolution of Games	E	E	E	E
Game Design	E	E	E	E
GameMaker Programming I	E	E	E	E
GameMaker Programming II	E	E	E	E

R = Required

E = Elective

Grade	Course	Prerequisite
Business & Technology Classes		
9 - 12	Introduction to Business	<ul style="list-style-type: none"> • None
9 - 12	Business Law	<ul style="list-style-type: none"> • None
11 - 12	Web Design III	<ul style="list-style-type: none"> • Web Design I & II
9 - 12	Web Design - II	<ul style="list-style-type: none"> • Web Design I
9 - 12	Web Design - I	<ul style="list-style-type: none"> • None
9 - 12	Computer Applications	<ul style="list-style-type: none"> • None
Zulama Course Offerings		
9 - 12	Evolution of Games	<ul style="list-style-type: none"> • None
9 - 12	Game Design	<ul style="list-style-type: none"> • None
9 - 12	GameMaker Programming I	<ul style="list-style-type: none"> • Evolution of games or Game
9 - 12	GameMaker Programming II	<ul style="list-style-type: none"> • GameMaker Programming I

Computer Technology & Business Education

The following courses are offered to prepare students for a job, for enrichment of college-bound students and to enable the individual to fit into a technology rich economic society. The purpose is to understand what business is, how it functions, and how it serves the individual and society as a whole.

Computer Applications

Grade 9, 10

½ credit

Fee - TBA

Computers are a must for every student because today's workplace requires its workers to use computers, understand how they interface with other technologies, communicate effectively, think critically, and apply technology to given tasks. Computer Applications provides a variety of projects and learning activities that will help students to develop the competencies and skills needed in the workplace.

Students will study how software tools are used with each other for school, business, and personal purposes. Software application units will include word processing, presentations, and spreadsheets.

Using applications from Microsoft Office, students can add dazzle to their reports by creating slide show presentations in PowerPoint or display research data that they have gathered in easy-to-read Excel charts or graphs.

Introduction to Business

Grades 9, 10, 11, 12

½ credit

Fee - TBA

How do businesses make money and operate? How do you save yourself money while getting the things you want and need for life? Are "American products" actually made in America? What role will "E-business" play in your future? Along with these topics, we will learn about the "ripple effect" and the impact of a worldwide economy on our economy. Each semester will include 1 to 2 individual and group research presentations along with online activities.

Business Law

Grades 11-12

Semester – 1/2 credit

Fee: None

Business Law is the study of the United States judiciary system. You will study business ethics as well as torts, legislation, taxes, and their impact on society. Case studies and projects using the computer lab will be included.

Accounting

Grades 10, 11, 12

½ credit

Prerequisites: Students must have at least a C average in their mathematics class to enroll

Fee - TBA

ATTENTION COLLEGE-BOUND BUSINESS MAJORS - Get a jump-start on a required course if you intend to major in business areas such as advertising, management, marketing, international business, or accounting. This course will enable you to learn the skills necessary to understand financial concepts for success in college accounting. Emphasis is placed on the preparation and maintenance of records and reports essential to recording, summarizing, and reporting business activities such as: cash records, purchases and sales records, payroll records and information, income tax, and social security tax data and records. Computers with automated accounting software are used to journalize and post transactions as an end-of-the year project.

Web Design - I

Grades: 9-12

Semester: ½ Credit

Fee - TBA

In Web Design-I you will graduate from just “surfing” to design and creation. You’ll learn how to use the World Wide Web as a design and communication platform. You’ll learn the basics of HTML, CSS, web page construction, image design and produce your own web page. You will also develop items to be used on the HornetHallway.org web page.

Web Design - II

Grades: 9-12

Semester: ½ Credit

Prerequisites: Web Design - I

Fee - TBA

In this course you will use your Web Design-I skills to create, design, manage and refine web pages for the HornetHallway.org This course will seem more like having fun at work then it will like going to school. We will also work on HTML, CSS, PHP concepts and managing web projects. Come prepared to work and have fun.

Web Design III

Grades: 11-12 (or Instructor Approval)

Semester: ½ Credit

Prerequisites: Web Design - I & II and approval of the Instructor

Fee: None

This is an advanced independent study course in which you will find out just how good you really are. You will work alongside and interface with staff members and industry professionals creating web designs and resolving technical issues. You will get a first-hand look at what this profession is about. You will play a very large role in the maintenance and design of the HornetHallway.com web.

Evolution of Games

Grades: 9-12

Semester: ½ Credit

Fee - TBA

Today's professional game designers understand and implement dynamics from many different types of games in their blockbuster hits. In this course, you'll explore ancient cultures, their games, and how they designed games using available technology and resources. Find out more about the benefits game playing has within a society. You will prototype and play games as well as get hands-on experience creating your own original game.

Game Design

Grades: 9-12

Semester: ½ Credit

Fee - TBA

“Gaming” doesn't only mean “video games”. Gamers also play board games, card games, simulations, and participate in interactive stories. This course breaks down the design process step by step. You will learn the fundamentals by using hands-on models and prototype of a variety of games. Your final project will include building, playtesting, and revising your own original game that can be played with friends and added to your game portfolio.

GameMaker Programming I

Grades: 9-12

Semester: ½ Credit

Prerequisite: Evolution of Games or Game Design

Fee - TBA

Learn the concepts taught in a college-level “Programming 101” course, but all of the projects are games! You will receive an introduction to basic programming by building two dimensional (2D) games. GameMaker™, the 2D game engine you’ll be using, is based on a scripting language that builds techniques that can be transferred to any other programming language such as Python, Java and C++. You will finish complete stand-alone executable games that can be played with friends and added to your digital portfolio.

GameMaker Programming II

Grades: 9-12

Semester: ½ Credit

Prerequisite: GameMaker Programming I

Fee - TBA

A continuation of GameMaker Programming I Apply GML scripting language in game building activities, Identify similarities between, Python, Java, and C++ programming, Create simple 2D designs using GameMaker Studio, Problem-solve to debug programming errors, Building 2D objects.

Language Arts

RECOMMENDED GRADE AVAILABLE

<u>REQUIRED COURSES</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
English I/English I Honors	R	R	R	R
English II/English II Honors		R	R	R
English III/English III Honors			R	R
English IV/English IV Dual Enrollment				R
<u>ELECTIVE COURSES</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
Drama I	E	E	E	E
Drama II	E	E	E	E
Public Speaking I (½ credit)	E	E	E	E
Public Speaking II (½ credit)	E	E	E	E
Creative Writing (½ credit)	-	-	E	E

Four Credits in Language Arts are required for Graduation (Drama I and II do not meet this requirement. These courses meet the Fine Art Requirement.)

Pathways to Success – Language Arts

	9	10	11	12
Sequence 1	English I	English II	English III	English IV
Sequence 2	English I Hon.	English II Hon.	English III Honors	English IV

Requirements for College Prep Track:

- Pass all standardized/state level testing at a proficient or above level
- Score A's or B's in the previous course
- Attendance and Teacher recommendation
- All Honors Language Arts – summer reading/assignments will be required

Language Arts

The English language arts program must fit the needs of students who live in a world where communication and understanding will be increasingly important. Language arts' experiences for students must recognize that current and future demands of the work place, society, and the individual go beyond basic reading and writing literacy. In order to participate fully in society and to realize their potential, students must encounter an English language arts program where language learning occurs in a literate environment where students use reading, writing, listening, and speaking for authentic purposes and audiences. Students are surrounded by language in all forms, in an interactive classroom. To become competent in all the language processes, the processes must be addressed in an integrated fashion.

English I

Grade 9

1 credit

Fee - TBA

This course is designed to meet the students' need in reading, writing, listening and speaking. The study of literature includes short stories, nonfiction, poetry, drama, epics, and novels. Accompanying this study is a concentrated composition program focusing on use of the writing process to develop paragraphs and essays. Grammar concepts will also be mastered. Growth in vocabulary will be acquired through speaking and reading. Speaking skills are practiced through oral readings, drama, and through class discussions. Students will be preparing for the Ohio Graduation Test.

English I Honors

Grade 9

1 credit (add on .025 per semester)

Prerequisite: An average in Language Arts 8 and teacher recommendation

Fee - TBA

***Summer assignment materials may need to be purchased by student**

This course is designed to meet the needs of advanced students in reading, writing, listening, and speaking. The study of literature includes the exploration of multiple genres accompanied by a concentrated composition program focusing on the use of writing process to develop competent paragraphs and essays. Grammar concepts will also be mastered. Growth in vocabulary will be acquired through various classroom activities. This class uses the regular freshman textbook, and will move at a faster pace and possess more in-depth study as well as supplemental novels.

***Summer reading may be required as an assignment for this course!**

English II

Grade 10

1 credit

Prerequisite: English I

Fee - TBA

This course is designed to provide a basic overview of various types of literature, while incorporating reading, writing, listening, and speaking skills. Students will be preparing for the standards that will be measured through the Ohio Graduation Test. Students will be required to read supplemental novels, to maintain a class journal, to work in groups, and to compile a writing portfolio.

English II Honors

Grade 10

1 credit (add on .025 per semester)

Prerequisite: English I Adv., B average, and teacher recommendation

Fee - TBA

***Summer assignment materials may need to be purchased by student**

This course is designed to provide a basic overview of various types of literature, while incorporating reading, writing, listening, and speaking skills. Students will be preparing for the standards that will be measured through the Ohio Graduation Test. Students will be required to read supplemental novels, to maintain a class journal, to work in groups, and to compile a writing portfolio. This course differs from English II in length/quantity of assignments and higher expectations.

***Summer reading may be required as an assignment for this course!**

English III

Grade 11

1 credit

Prerequisites: English I & II

Fee - TBA

This course is designed to provide a basic understanding of American literature, ranging from logs and journals of early settlers to poetry and novels of contemporary writers. Students will be required to read supplemental novels, to maintain a class journal, to work both individually and in groups to create projects and presentations, and to compile a writing portfolio.

English III Honors

Grade 11

1 credit (add on .025 per semester)

Prerequisites: English II Adv., B average and teacher recommendation

Fee - TBA

***Summer assignment materials may need to be purchased by student!**

This course is designed for the advanced student in language arts. American Literature is the focus of this class, with emphasis placed on extensive reading and writing. Also, emphasis is placed on critical

thinking skills through verbal and written expression.

***Summer reading may be required as an assignment for this course!**

English IV

Grade 12

1 credit

Prerequisites: English III

Fee - TBA

This course includes a study of English literature and composition with a focus on personal expression and preparation for college writing. **Senior Exit Projects** will stress written and oral expressions, taking into account individual interests and ability.

English IV Dual Enrollment

Grade 12

1 credit per semester

Prerequisites: English III Honors, B average or higher and teacher recommendation

Essay submission required

Fee - TBA

This course is offered as Dual Enrollment ENG-101 (English Composition Semester) and ENG-103 (Composition and Literature) through Cincinnati State for 6 credit hours.

ENG 101 is an introduction to college writing focusing on understanding the writing process. Topics include: identifying audiences; developing a strong thesis; providing sufficient evidence for claims; and writing essays with grammatical, mechanical, and stylistic correctness. ENG 103 is a continuation of ENG 101. Topics include: critical reading, argumentation, the research process and the research paper; and reading, synthesizing, and responding critically to literature.

Creative Writing

Grades 11, 12

½ credit

Fee: TBA

This course is designed to allow students the opportunity to express themselves through the development of a multi-genre writing portfolio. This student-centered class will focus on actively writing, enhancing creativity, peer editing, discussing student writing, and gaining a better understanding of the writing process. Topics covered include (but are not limited to) poetry, memoirs, novels, and short stories. Creative writing is recommended for those students who like to read and write or who want to become better writers. It is also valuable for those students looking for a creative outlet for their personal thoughts, feeling, and self-expression.

Drama I

Grades 9, 10, 11, 12

½ credit

Prerequisite: None

This course is an introduction to the study of acting and appreciation of drama. Improvisation, voice, dialect, and basic acting techniques are practiced in class. Students who have a special interest and talent in the field of theatre would have an opportunity to advance their skills in this course. Theatre history, audition skills, monologues, and scene study and design will all be practiced and emphasized. Performance and work in front of the class will be required.

Drama II

Grades 9, 10, 11, 12

½ credit

Prerequisite: Drama I

This course seeks to explore the various aspects of theatre and acting in-depth. Students will study a specific era of theatre in order to gain a historical understanding of drama, practice proven characterization techniques, learn how to audition effectively, get a basic overview of the technical aspect of theatre, and perform in/assistant direct/manage/run tech for a play to be presented in the Monroe High School auditorium.

Public Speaking I & II

Grades 9-10-11-12

½ credit

This course is designed to give students an introduction to oral communication skills with an emphasis on the vocal and physical delivery skills utilized in various forms of oral presentation. Students will learn various presentation skills and methods. Emphasis is placed on a practical rather than on a theoretical approach. Various types of speeches include introductory, demonstrative, informative, persuasive, and performance for the media. Some of the phases covered in this course are as follows: understanding the functioning of the speech mechanism, effective interpersonal communication, listening, constructive criticism, outlining a speech, group discussion, and oral interpretation. It is expected that students will enter the course with varying skills and that each student will progress to the highest skills that his/her ability will allow.

Mathematics

RECOMMENDED GRADE AVAILABLE

<u>REQUIRED COURSES</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
Algebra I	R			
Geometry		R		
Geometry Honors	R	R		
Algebra II			R	R
Algebra II CP/Algebra II Honors		R	R	
Pre-Calculus CP/Pre-Calculus Honors			E	E
Quantitative Reasoning				E
Consumer Math				E
Calculus				E

R = Required

E = Elective

Students are required to earn four credits of mathematics including Algebra, Geometry and Algebra II for Graduation.

Pathways to Success – Mathematics

	8	9	10	11	12
Sequence 1	Pre – Algebra	Alg. I	Geometry	Alg. II Alg. II – 11 th	Pre-Calculus Quantitative Reasoning Consumer Math
Sequence 2	Alg. I	Geo. Honors Alg. I	Alg. II Honors Geometry Honors	Pre-Calculus Alg. II Hon.	Quantitative Reasoning Calculus

Requirements for College Prep Track:

- Pass all standardized/state level testing at a proficient or above level
- Score A's or B's in the previous course
- Attendance and Teacher recommendation

Mathematics

A Note to Parents and Students: Monroe Local Schools offers our students the traditional Algebra sequence. (To see the entire sequence, please refer to the pathway). By focusing on this sequence, we ensure that students receive the state standards. This track will focus on the mastery of the state's grade level curriculums. We will offer two tracks: honors and college prep. By offering the traditional sequence, students in the college prep track will have the opportunity to pursue Algebra II and Pre-calculus, and this coursework will prepare them for college level mathematics. The honors track moves at a faster pace, is more rigorous in nature and explores concepts more deeply. Both tracks will prepare students for the AIR Testing, career preparation and or college-level math. We would also recommend that students have a **TI-84 graphing calculator** for these courses. You will need to contact if you do not have internet access. Many of our courses now come with an online textbook.

Algebra I

Grade 9
1 credit

The skills developed in this class are needed for physics, chemistry, and geometry. It is the first step in mathematics beyond arithmetic and furnishes the language and mechanics for all higher mathematics. This course covers basic topics including linear equations and systems of equations, integer exponents, polynomial products, factoring quadratic equations, together with the analysis and solution of word problems.

Geometry

Grade 10
1 credit

Prerequisite: Algebra I

Required Materials: Compass, Protractor

This course covers properties of geometric figures in two and three dimensions, applications of geometric formulas, right triangle trigonometry, basic postulates of Euclidean geometry, and construction of proofs of geometric theorems. Students gain experience in drawing in two and three dimensions.

Honors Geometry

Grade 9, 10
1 credit

Prerequisite: B- in Alg. I and teacher recommendation

This course is designed for the accelerated math student. Topics include: properties of geometric figures in two and three dimensions, applications of geometric formulas, right triangle trigonometry, basic postulates of Euclidean geometry, and construction of proofs of geometric theorems at an advanced pace. Students gain experience in drawing in two and three dimensions. There will be a weight of .025 per semester to a student's GPA for taking this course.

Algebra II

Grade 11, 12

1 credit

Prerequisite: Algebra I and Geometry

This course includes extensions of Algebra I including quadratic equations, polynomials, rational expressions, fractional exponents, radicals, linear and quadratic inequalities, together with the analysis and solution of word problems. This course is designed to give the students a strong review of prerequisite knowledge before new concepts are introduced.

Algebra II CP

Grades 10, 11

1 credit

Prerequisite: Algebra I and Geometry, or concurrent enrollment in Geometry

This course includes extensions of Algebra I including quadratic equations (and the method of completing the square), complex numbers, polynomials, rational expressions, graphs of functions, fractional exponents, radicals, linear and quadratic inequalities, absolute value inequalities, arithmetic and geometric sequences, the binomial theorem, together with the analysis and solution of word problems.

Algebra II Honors

Grades 10, 11

1 credit

Prerequisite: Prerequisite: B- or better in Honors Geometry, or concurrent enrollment in Honors Geometry with a teacher recommendation

This course is designed for the accelerated math student. Topics include: quadratic equations (and the method of completing the square), complex numbers, polynomials, rational expressions, graphs of functions, fractional exponents, radicals, linear and quadratic inequalities, absolute value inequalities, arithmetic and geometric sequences, the binomial theorem, statistics concepts, together with the analysis and solution of word problems. General statistics concepts will be provided so that students have the skills to analyze data on an advanced level. There will be a weight of .025 added to a student's GPA per semester for taking this course.

Pre-calculus College Prep

Grades 11, 12

1 credit

Prerequisite: Prerequisite: C- or better in College Prep Algebra II

This course will offer a semester of pure trigonometry. Then, it will apply the trigonometry concepts to pre-calculus foundations. The trigonometry will cover all aspects of trigonometry including angles, identities, trigonometric values, functions, equations and laws of sine and cosine. Students will prepare to move on to advanced trigonometry in a collegiate setting. This course will prepare students for college algebra courses or a regular calculus course.

Pre-Calculus Honors

Grades 11, 12

1 credit

Prerequisite: B- or better in Honors Algebra II with teacher recommendation

This course is designed for the advanced math student. This course will offer a semester of pure trigonometry. Then, it will apply the trigonometry concepts to pre-calculus foundations. The trigonometry will cover all aspects of trigonometry including angles, identities, trigonometric values, functions, equations and laws of sine and cosine. Students will prepare to move on to advanced trigonometry in a collegiate setting. This class will prepare students for College Calculus and will use a collegiate level textbook. This class will add .025 to a student's GPA per semester.

Quantitative Reasoning

Grade 12

1 credit

Prerequisite: Algebra II

This course is creating an innovative post-Algebra II alternative to Pre-calculus for students who have completed Algebra I, Geometry, and Algebra II. Quantitative Reasoning develops mathematical proficiency, statistical proficiency, and quantitative literacy, filling a critical gap in our student's high school mathematics course offerings. This course is aligned with the Common Core Standards for Mathematics. It is a solution to the fourth year of high school mathematics now required by the state of Ohio. It addresses numerical reasoning, statistical reasoning, modeling, and spatial reasoning--and balances mathematics language development with in-context, technology-supported inquiry and problem solving.

Consumer Math

Grade 12

1 credit

Prerequisite: Geometry and Alg. II

This course takes an in-depth look at the math of personal finance. Topics covered include earnings, budgets, checking and savings accounts, credit and credit cards, consumer loans, purchasing a vehicle and a home, insurance, income taxes and investments. Students will participate in the Ohio Stock Market Game. Extensive use of professionals from the community will extend the learning beyond the classroom.

Calculus

Grades: 11, 12

1 credit (add on .025 per semester)

Prerequisite: Pre – Calculus

Calculus deals with calculating and exploring things that change at variable rates. The major concepts of calculus include limit, derivative, and integrals. We will explore each concept in four different ways; graphically, numerically, algebraically, and verbally emphasizing the connections and applications.

Advanced Placement Calculus AB

Grades: 11 and 12

1 Credit

Prerequisites: Pre-calculus and a teacher recommendation

Students can receive college credit by passing the AP exam at the end of the year. Topics include limits graphically and algebraically, the limit definition of a derivative, derivatives, the mean value theorem, Rolle's Theorem, implicit differentiation, position/velocity/acceleration, related rates, local max/min, points of inflection, maximization, Riemann sums, integration, the Fundamental Theorem of Calculus, area between curves, volumes of solids using washer/disc method, and integration by parts. **AP Exam Required.**

Music

RECOMMENDED GRADE AVAILABLE

<u>ELECTIVE COURSES</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
Monroe Chorale (By audition only)	E	E	E	E
Mixed Chorus	E	E	E	E
Show Choir (By audition only)	E	E	E	E
Guitar I	E	E	E	E
Guitar II	E	E	E	E
High School Concert Band	E	E	E	E
Piano I	E	E	E	E
Piano II	E	E	E	E

Students must obtain one credit of Fine Art to meet the Graduation Requirement.

Music

Music courses may be either a basis for a lifetime work and career or for pleasure in a recreational sense. The joy and challenge of music in all of its aspects are developed by the many courses available. We encourage all students to take one course per year in some area of music appreciation or skill building. In order for a student to achieve a major in music, a course in theory and harmony must be taken. Many students benefit greatly from the togetherness and social skills learned by participating in the performing musical groups such as band or concert choir. The discipline necessary to develop the demanding skills of music performance will serve students well throughout their lives. Most of all, we encourage everyone to take music for the pure joy of musical expression.

Chorale Choir

Grades 9, 10, 11, 12

½ credit per semester

Prerequisite: **Audition with director:** enrollment must be for both semesters.

This is a select choral ensemble. Repertoire studied will include accompanied and a cappella representative choral literature of various styles and periods for mixed voices through advance difficulty levels. Appropriate rehearsal/performance disciplines and standards will be maintained within the group and proper vocal technique, sight-singing, and ear-training skills, at an advanced level of proficiency are reinforced. Occasional after school rehearsals may occur and participation in numerous public performances throughout the school year is required. Students may prepare for O.M.E.A. solo and ensemble competition and various other competitions. Written material and tests may be required with some units of study. MHS vocal groups meeting outside of regular class time will be selected on an audition basis. These groups will be singing advanced difficulty levels of music and will be members of A Cappella Choir. Enrollment must be for both semesters.

Mixed Chorus

Grades 9, 10, 11, 12

½ credit per semester

Mixed Chorus is a preparatory mixed choral ensemble designed to teach application of the basic principles of music through vocal performance. Repertoire studied will include representative choral literature of various styles and periods for mixed voices through moderate difficulty level. Proper vocal technique, sight-singing, ear-training skills and appropriate rehearsal/performance disciplines and standards will be taught and maintained within the group. Occasional after school rehearsals may occur and participation in three public concerts/performance is required: fall, winter, and spring concerts in the auditorium. Voice classification placement testing will be done with each member by the director. Grading/evaluation will be based on performance requirements, written and aural testing over material covered, and class participation.

Show Choir

Grades 9, 10, 11, 12

½ credit per semester

Prerequisite: **Audition with director:** enrollment must be for both semesters.

This is an audition course for students who would like to perform, sing and dance. There will be approximately 20-24 students accepted into this choir.

Guitar I

Grades 9, 10, 11, 12

½ credit

Fee: Instrumental supplies, maintenance materials and fees associated with playing the guitar.

A course open to all students not necessarily in a performing group, who enjoy music and want to gain a better understanding of it. This course will help beginning to moderate skilled guitarist. Students will be provided a school guitar. Students will learn guitar care, techniques, tablature, note/rhythm reading and chording.

Guitar II

Grades 9, 10, 11, 12

½ credit

Prerequisite: Guitar I

Continuation of skills learned in Guitar I. This course will help beginning to moderate skilled guitarist. Students will be provided a school guitar. Students will learn guitar care, techniques, tablature, note/rhythm reading and chording.

Piano I

Grades 9,10,11,12

½ credit per semester

Fee: TBA

This course is for beginners (those who have never played piano before). Students will work as a class for the first nine weeks. Then students will begin to work independently and progressing at their own pace.

Piano II

Grades 9,10,11,12

½ credit per semester

Fee: TBA

Prerequisite: Piano I

This course is for students with some experience through the advanced level. The first nine weeks students will work independently based upon their level of instruction. The second nine weeks students will explore and create music composition & theory.

High School Concert Band

Grades 9,10,11,12

½ credit per semester

Prerequisite: Play a woodwind, brass or percussion instrument proficiently.

Fee: Instrumental supplies, maintenance materials and fees associated with playing a band instrument.

This course is designed for the serious band student. A full commitment to the program is required. High school concert band will meet every day throughout the school year. The class allows the fundamentals of instrumental playing and performing to be reinforced and refined. A variety of band literature will be performed at a level consistent with the students' abilities. Members will be required to perform in evening/weekend, graded activities, such as graduation, concerts, large group contests and others. Concert band is open to all instrumentalists who play a woodwind, brass or percussion band instrument. Students without prior experience on a musical instrument may join band with approval of instructor and agree to take private lessons at students' own cost.

Marching Band

Grades 10, 11, 12 (Credit will NOT be given for 9th grade students)

¼ elective credit per season (course is not calculated into GPA and/or eligibility) In order to fulfill the PE Requirement students MUST complete a PE Waiver form for each season. Students must complete 4 seasons of Marching Band in order to fulfill the graduation requirement!

Marching Band will be offered after school. Students are required to attend band camp, pre-camp and other rehearsals throughout the summer. In addition, students must attend all rehearsals, football games and parades as well as other scheduled performances. Grade is based on attendance, level of participation and performance as well as instrument and uniform upkeep.

Physical Education and Health

<u>P.E. REQUIRED COURSES</u>	9	10	11	12
Phys Ed (Basic Fitness)	R			
Team-Lifetime Sports		E	E	E
Weight Training		E	E	E
Fitness/Aerobics		E	E	E
<u>HEALTH REQUIRED COURSES</u>				
Health	R			
<u>ELECTIVE COURSES</u>				
Sports Medicine I	E	E	E	E

R = Required

E = Elective

To meet the Physical Education graduation requirements, students must meet one of the two following options:

1. Earn ½ credit by completing 2 PE courses. (Phys Ed + 1 other)
2. Turn in two PE Waivers (1 waiver per season; except for bowling and marching band - see PE waiver)
3. Students will NOT receive credit for the PE waiver. Students must earn elective credits to gain the necessary credits for graduation.
4. By taking the PE waiver the students are not allowed to take a PE class. Students are not allowed to combine PE credit and the waiver.
 - a. You must follow the PE waiver guidelines as outlined on the form.

Physical Education and Health

Physical education is important both for physical fitness and for recreation. The students will learn skills valuable to them for the rest of their lives. One credit in combined physical education (1/2) / health (1/2) is required for graduation. **Appropriate dress is required.**

Phys Ed (Basic Fitness)

Required in 9th Grade

1/4 credit (course is not calculated into GPA and/or eligibility)

In this course, students will develop an understanding of a healthy lifestyle and its correlation to physical fitness focusing on reaching students' target heart rates. Basic Fitness is a foundation course for all other physical education courses. The student will experience a broad exposure to many areas of physical education. The student will develop an understanding of the correlation of physical fitness to a healthy lifestyle. Students will learn basic skills, which will allow them to improve their physical fitness and participation in team sports.

Health

Required for graduation (should be taken in 9th grade)

1/2 credit

Students will explore topics such as body structures and functions, safety and first aid, CPR, community and environmental health, health practices and wellness, health careers and related occupations, diseases, human sexuality and substance abuse. Students will explore current health topics by conducting deeper research into health topics and issues. Topics may include: sexually transmitted diseases, first aid, mental and emotional health, prevention and control of disease, family living, mood modifiers, nutrition, physical fitness as well as other topics. This class will allow students to explore their interests as they pertain to health.

Team-Lifetime Sports

Grades 10, 11, 12

1/4 credit (course is not calculated into GPA and/or eligibility)

Prerequisite: Phys. Ed. (Basic Fitness)

Students will understand that the progressive development and perfection of the skills and knowledge involved in team and lifetime sports provide a wholesome, enjoyable, and physically satisfying form of recreational activity, which prepares them for healthy lifestyles. Students will learn team rules, warm up activities and will participate in lifetime sports such as: football, basketball, softball, volleyball, etc. Team and Lifetime Sports I will focus on outdoor sports and will be held 1st quarter and 4th quarter. Team and Lifetime Sports II will focus on indoor sports and will be held 2nd quarter and 3rd quarter.

Weight Training

Grades 10, 11, 12

¼ credit (course is not calculated into GPA and/or eligibility)

Prerequisite: Physical Education (Basic Fitness)

This course is geared for students who have an interest in weight lifting for strength development. Weights will run three days a week in the weight room with the other 2 days devoted to speed training, flexibility, and cardiovascular development.

Sports Medicine I

Grades: 9, 10, 11, 12

½ credit per semester

Prerequisites: Health, Biology are recommended

This class will concentrate on basic human anatomy and terminology with an introduction to simple injuries and evaluation of these injuries. Basic first aid techniques will be taught. Additional studies will focus on the prevention of athletic injuries and basic techniques to care and prevent various injuries. (Students will need to be prepared to wear shorts and t-shirts for various labs.)

Science

<u>REQUIRED COURSES</u>	9	10	11	12
Geophysical Science/Honors Geophysical	R			
Biology/Honors Biology		R		
Chemistry			E	E
Physics			E	E
Environmental Science			E	E
Zoology			E	E
DE Anatomy & Physiology			E	E
<u>ELECTIVE COURSES</u>				
Forensics I			E	E
Forensics II			E	E

R = Required

E = Elective

Students are required to have three credits in science to meet graduation requirements. These credits must include: one credit in physical science, one in life science, and one credit in an advanced physical or life science course. The forensics courses do not count among these three credits. Students who are pursuing an honors diploma must have 4 science credits, including chemistry and physics.

Pathways to Success

	9th Grade	10th Grade	11th Grade	12th Grade
			Environmental Science	Environmental Science
Sequence 1	Geophysical	Biology	Zoology CP	Zoology CP
			Forensic Science I/II	Forensic Science I/II
	9th Grade	10th Grade	11th Grade	12th Grade
			Chemistry CP*	Physics CP*
			Dual Enrollment	Dual Enrollment
Sequence 2	Geophysical Honors	Biology Honors	Anatomy and Physiology	Anatomy and Physiology
			Zoology CP	Zoology CP
			Forensic Science I/II	Forensic Science I/II
			Environmental Science	Environmental Science
Required for honors diploma				Chemistry CP

Requirements for Accelerated Sequence:

- Pass all standardized/state level testing at a proficient or above level
- Score A's or B's in the previous course
- Attendance and Teacher recommendation

Science

Science courses offer students a means of achieving scientific literacy and an opportunity to develop problem-solving skills so that students will become wise participants in our increasingly technological world. The Science curriculum in grades seven to ten is a seamless program that includes the following state standards: life science, physical science, and earth-space science. There is an emphasis on real-world applications and hands-on activities. The high school program is broad enough to expand a student's knowledge in specific areas as well as to provide a good general background in a variety of scientific subjects. The honors science program offers a student the opportunity to take an honors science course to prepare them for college-level difficulty.

Geophysical Science

Grade 9

1 credit - two semesters

Fee required: TBA

Geophysical Science is an integrated course that addresses *basic* chemistry, physics, and Earth and space science concepts. Chemistry concepts focus on properties of matter, atoms, periodicity, chemical bonding, and reactions of matter. Physics concepts include energy and waves, and forces and motion. Earth and space concepts include the universe and stars.

Honors Geophysical Science

Grade 9

1 credit - two semesters

Fee required: TBA

Prerequisite: Current science teacher recommendation and any combination of As and Bs throughout the first three quarters of 8th grade science.

Honors Geophysical Science is an integrated course that addresses more in-depth chemistry, physics, and Earth and space science concepts. Chemistry concepts focus on properties of matter, atoms, periodicity, chemical bonding, and reactions of matter. Physics concepts include energy and waves, and forces and motion. Earth and space concepts include the universe and stars. Problem solving skills will be stressed in mathematic relationships as well as in the conclusions that can be derived from laboratory observation. This course is appropriate for individuals who have had success in previous science courses and, in general, take an interest in science. ***This is a weighted course due to the increased rigor.** Students will receive a 0.025 added weight per semester. ***Honors students are required to participate in the school science fair.**

Biology

Grade 10

1 credit - two semesters

Fee required: TBA

Prerequisite: Geophysical Science

Concepts addressed in biology include: ecology (ecosystems, food webs, human impact), biological evolution (natural selection, history of life, and taxonomy), genetics (molecular basis of inheritance and genetic engineering), and cell biology (cellular structure and function, cell division, and cell metabolism). Embedded throughout this course are the basic processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, and ethical guidelines in science as well as tracing the interdependence of science and technology and the study of emerging issues.

Honors Biology

Grade 10

1 credit - two semesters

Fee required: TBA

Prerequisite: A or B in Geophysical Science (Honors recommended) and teacher recommendation

Concepts addressed will include the same topics as biology. In addition, emphasis will be placed on laboratory activities, genetic activities, and calculations. This course is a weighted course due to the increased rigor. Students will receive a 0.025 added weight per semester.

Chemistry CP

Grades 11, 12

1 credit - two semesters

Fee required: TBA

Prerequisite: Geophysical Science, Biology, A or B in Geometry

This lab-based course is intended to prepare students for education after high school. Concepts including chemistry as inquiry (scientific inquiry, measurements, dimensional analysis, and metric system), exploring the physical world (properties of matter and gases), discovering the language of chemistry (formulas and equations, stoichiometry and the mole concept), building models of matter (atomic theory, atomic structure, and chemical bonding), and integrating microscopic, macroscopic, and symbolic worlds (kinetics, equilibrium, and thermodynamics). Embedded throughout this course, are the basic process of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, and ethical guidelines in science as well as tracing the interdependence of science and technology and the study of emerging issues.

This course is required by the state for a Diploma with Honors.

Environmental Science

Grades 11, 12

1 credit - two semesters

Fee required: TBA

Prerequisite: Biology

This course deals with the study of how humans interact with the environment. It includes an overview of ecology such as ecosystems, food webs, and biogeochemical cycles. The impacts of human population growth on the biosphere and biodiversity are studied in detail. The different spheres of the Earth are discussed (geosphere, hydrosphere, atmosphere) including how humans affect these areas (ex. pollution) and use resources from them. Finally, solutions to

environmental problems are discussed in terms of individuals, science research, and government policy. Activities, projects and comprehensive tests will be used to assess students in the course.

Physics CP

Grade 12

1 credit - two semesters

Fee required: TBA

Prerequisite: Chemistry, A or B in Algebra II

This lab-based course is intended to prepare students for education after high school. Concepts include understanding physics as inquiry (metric system, vectors, and a mathematical background), exploring forces, and their applications (Newton's Law, types of forces), discovering the universe and the immense energy it contains, behavior of light (electromagnetic spectrum, wave heavier, lenses, luminous intensity, and mirrors), and the application of electricity and magnetism. This course relies heavily on mathematics skills to bridge conceptual and mathematical thinking. Embedded throughout this course are the basic processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, and ethical guidelines in science as well as trace the interdependence of science and technology and the study of emerging issues. This course is a weighted course due to the increased rigor. Students will receive a 0.025 added weight per semester.

This course is required by the state for a Diploma with Honors.

Dual Enrollment Anatomy & Physiology

Grades 11, 12

1 credit - two semesters

Fee required: TBA

Prerequisite: A or B in Biology (Honors recommended), Chemistry (or currently enrolled)

Concepts addressed in anatomy & physiology include investigations of the structures and functions of the human body. Body systems covered are skeletal, muscular, nervous, endocrine, cardiovascular, digestive, respiratory, urinary, and reproductive systems. Mandatory dissections and laboratory work are used to augment the study of each system. **Students enrolled in this course have the option of receiving college credit with the completion of coursework at a C level or higher.** This course is a weighted course due to increased rigor. Students will receive a 0.05 added weight per semester.

Zoology CP

Grades 11, 12

1 credit - two semesters

Fee required: TBA

Prerequisite: C or higher in Biology

This course is a comprehensive overview of the taxonomy, anatomy/physiology, ecology, and behavior of animals. The emphasis is on the 9 major phyla of animals and their classes. These include the common groups of invertebrates (sponges, cnidarians, flatworms, roundworms, mollusks, segmented worms, arthropods, and echinoderms), as well as the common groups of vertebrates (fish, amphibians, reptiles, birds, and mammals). Labs and activities include both living examples and mandatory dissections. Assessments include reports, presentations and projects, as well as comprehensive tests.

Forensics I

Grades 11 and 12

½ credit - one semester

Fee required: TBA

Prerequisite: Geophysics, Biology

Have an interest in television shows such as *CSI*? Take a hands on approach to learning the techniques used in crime scene investigations. Discover background information about the scientific aspects of a crime scene; evidence collection, fingerprints, hair and fiber analysis, drugs and toxicology, autopsy, etc. This course will work in partnership with the Monroe Police Department to give students real world insight of the inner workings of criminal investigation through reenactments of actual criminal cases at the local and national level.

Forensics II

Grades 11 and 12

½ credit - one semester

Fee required: TBA

Prerequisite: Geophysics, Biology, Forensics I

Forensics II builds upon content taught in Forensics I. In conjunction with Monroe Police Department, students will use a hands on approach to investigate blood and DNA analysis, human remains, forensic entomology, soil and glass analysis, etc.

Social Studies

RECOMMENDED GRADE AVAILABLE

<u>REQUIRED COURSES</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
World History/World History Honors	R			
Am. History/Am. History Honors/AP US History		R		
Government/AP Government			R	
Consumer Economics			R	or R

ELECTIVE COURSES

World Geography	E	E	E	E
Psychology	E	E	E	E

Students must have 3.5 credits in social studies to meet graduation requirements. Students who are pursuing the honors diploma must have 4 credits.

Pathways to Success – Social Studies

	9	10	11	12
Sequence 1	World History	American History	Government Personal Financial Management*	Multicultural Studies History Through Film I History Through Film II
Sequence 2	World History Hon.	American History Hon. AP US History	AP Government Personal Financial Management*	Multicultural Studies History Through Film I History Through Film II

Requirements for College Prep Track:

- Pass all standardized/ state level testing at proficient or above level
- Earn A's or B's in the previous course
- Attendance and Teacher recommendation

Personal Financial Management is required for Graduation

Social Studies

Social Studies courses offer students a means of understanding and appreciating themselves and their culture. A well-educated person needs to know and appreciate our heritage and political institutions. Good citizenship is based on understanding the past, present, our own community, and the world. Courses offered in social studies also enable students to prepare for college studies in specific courses.

World History

Grade 9
1 credit

This course is required for all ninth grade students. It is a general survey of World History beginning in 1750 with the study of the Scientific Revolution and continuing through present day world events. Major topics will include the Scientific Revolution, Enlightenment, French Revolution, the Industrial Revolution, causes of World War I and II, the fall of Communism, The Cold War, and the conflicts in the Middle East.

Google Classroom will be used as an extension of this class.

Honors World History

Grade 9
1 credit

Prerequisite: 8th grade Social Studies and Language Arts teacher recommendation

This course is a rigorous study of World History beginning with the Scientific Revolution and continuing through modern world events. Major topics will include the Scientific Revolution, Enlightenment, French Revolution, the Industrial Revolution, causes of World War I and II, the fall of Communism, The Cold War, and 21st Century issues. The course will include out of class reading which will require the purchase of two paperback / digital novels to read during the year. Honors classes in World History will focus on the skills necessary to excel in advanced placement courses. Focus will also include writing in history, historical research, and interpretation of historical evidence.

American History: 1877-Present

Grade 10
1 credit

Prerequisite: World History

This course is required for all tenth grade students. The course will cover the time period from 1877 to the present. Events in American history are studied within the realm of world events and with the idea of the world being a global society. This time period is the immediate predecessor to modern times and will examine issues of the twentieth century and will speculate on the prospects for the twenty-first century.

Honors American History: 1877 – Present

Grade 10

1 credit

Prerequisite: World Studies Adv. or teacher recommendation

This course is rigorous study of American history beginning with the foundations of American government and continuing through modern day American history. Major topics covered will include: government, civil rights, world wars, expansionism, and economics. The course will include outside of class reading which will require the purchase of two paperback / digital novels. Honors American History will put specific focus on the skills necessary to excel in advanced placement courses including writing in history, historical research, and interpretation of historical evidence.

Advanced Placement U.S. History

Grades 10, 11

1 Credit (add on .025 per semester)

Prerequisite: Honors World History / maintain “B” average or better in 9th grade social studies, Social Studies and English teacher recommendations, and complete AP course application.

Fee required - AP Exam fee, AP Review book fee

U.S. History Advanced Placement is a demanding introduction to American History and culture that assumes a high level of interest and competence. Because this course is equal to a first-year college course, students should expect that the workload would be heavier than most regular high school history courses. The analytical thinking, writing, and reading skills that students develop in U.S. History Advanced Placement will equip them for college and lifelong learning. This history course integrates political and social history in order to convey the experience of particular groups within the broader perspective of the American past. At the same time, it connects events and issues from the past to the new concerns of the present. History shows Americans continuously adapting to new developments as they shape the world in which they live. This course prepares students to become “students of history” and includes the following points for emphasis: chronological organization, geography literacy; point of view; political dynamics; economic patterns; religious influences; social and cultural trends; intellectual developments; and influences on the arts. **AP Exam is a requirement, and will be given in May.**

Government

Grade 11, 12

1 credit

Prerequisite: World History and American History

The major focus of social studies instruction in the 11th grade is to provide students with the opportunity to apply the skills and knowledge they have gained in grades pre-K through 11. The United States Government is the focus. How political, social, and economics choices are made; who makes them; and the effect of those choices are the kinds of questions learners address during this course. Class topics will center on the origins of the American government, the constitution, Congress, the Presidency, and the Federal Court System. The students will participate in projects that will provide them the opportunity to conduct academic research and to utilize the results of this research in considering solutions to real problems or issues. As participatory citizens, they will attempt to get their solutions implemented.

Advanced Placement U.S. Government and Politics

Grade 11 and 12

1 Credit (add on .025 per semester)

Prerequisite: American History Honors or a “B” in 10th grade American History

Fee required – AP Exam fee

This course is intended to be the equivalent of a one-semester college introductory course in United States Government and Politics. Six units will be covered in the course with the weighting that is given on the multiple-choice section of the AP exam. Constitutional Underpinnings: 5-15% Political Beliefs and Behaviors: 10-20% Political Parties, Interest Groups, and Mass Media: 10-20% Institutions: Congress, Presidency, Bureaucracy, Courts: 35-45% Public Policy: 5-15% Civil Rights and Civil Liberties: 4-15%. **AP Exam required.**

Consumer Economics

This course is required for all students. Please see **page 70** for course description.

Social Studies Electives:

Multicultural Studies

Grade 11, 12

½ Credit

Multicultural Studies is a one-semester elective that examines the United States as a multicultural society / nation. The course emphasizes the perspectives of minority groups while allowing students from all backgrounds to better understand and appreciate how race, culture, and ethnicity contribute to their experiences. Major topics in the course include identity, immigration, assimilation, distinctiveness, power and oppression, struggles for rights, regionalism, culture and the media, and the formation of new cultures. The content of this course is based on the National Council for the Social Studies (NCSS) Expectations of Excellence: Curriculum Standards for Social Studies and the National Standards for History published by the National Center for History in Schools (NCHS).

History through Film I (1st Semester) and II (2nd Semester)

Grade 11, 12

½ Credit

What is history? It is a body of facts that have been accepted by historians as valid and significant. History is seeing the past through the eyes of today. The main task of the historian is not to record facts, but to interpret and evaluate them. Like written history, contemporary Hollywood feature films are an interpretation of society. They may be considered historical evidence, for they share the same properties with written history. But neither a single movie, nor a single article or book can be considered the absolute authority of a topic. Therefore, film evidence, as well as primary documents and journal articles must be evaluated in conjunction with other information on the subject, if a balanced and truthful interpretation of history is sought. Nonetheless, it is the historian's task to separate fantasy from fact. A major goal of this course is determining what is valid in contemporary films and in historical dramas. Finding the truth of the history. A wide range of primary source materials will be used for this purpose. Students will view movies on various topics and participate in inner/outer Socratic seminar discussions, and write essays comparing film evidence to information in more traditional sources.

The following areas in history will be evaluated: The American Revolution, Antebellum America, Civil War, The Western Frontier, Immigration experience, Rise of Organized Crime, Prohibition, The Great Depression, WWII propaganda, The Cold War, McCarthyism, The Nuclear Age, Civil Rights Movement, 1960s, Vietnam War, Watergate, Middle Eastern relations.

Visual Art

RECOMMENDED GRADE AVAILABLE

<u>ELECTIVE COURSES</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
Visual Art	E	E	E	E
Painting I	E	E	E	E
Painting II		E	E	E
Drawing	E	E	E	E
Ceramics I	E	E	E	E
Ceramics II		E	E	E
Sculpture	E	E	E	E
Digital Design I & II (Graphic Art)	E	E	E	E
Mixed Media Creations	E	E	E	E

Students must obtain one credit of Fine Art to meet the Graduation Requirement.

Visual Art Course Offerings

Courses in the art curriculum are designed to help students to develop artistically and to foster an appreciation for the fine arts. The courses are for students who have an interest in art for personal enjoyment as well as for the student that would like to further develop skills to pursue a career involving art. Students need to have **COMPLETED Visual Art** before taking other art electives. **Visual Art is the prerequisite for entering Painting I, Drawing I, and Sculpture I.**

Visual Art

Grades 9-12

Credit - ½

Textbook used: Art Talk

Fee: TBA

This course provides students with drawing and design experience. The course will teach students the elements and principles of art through a variety of projects. The course will cover 2-dimensional art such as drawing and painting, and 3-dimensional art. Work in aesthetics, art history, and art criticism is included; but studio experience is stressed. Evaluation includes art work, written material, quizzes, tests, exams and sketchbooks (homework).

Painting I

Prerequisite - A grade of “B” or higher in Visual Arts

Grades 9-12

Credit - ½

Fee: TBA

This studio course is designed to offer students an introduction to painting and mixing skills in acrylic paint. Students are introduced to basic techniques and application, and will demonstrate their skills in painting exercises and projects. Students will explore color theory and will become acquainted with the work of some famous painters.

Painting II

Prerequisite – A passing grade of “C” or higher in Painting I

Grades 10-12

Credit - ½

Fee: TBA

This studio course builds on the acrylic skills and techniques explored in Painting I and introduces watercolors, and oils. Emphasis is placed upon personal expression through acrylic painting media. A variety of both traditional and non-traditional painting techniques are explored and used in the creation of their paintings. Students will paint on stretched canvases and canvas boards. Painting I is required before entering this course. Cannot be taken in the same semester as Painting I.

Drawing

Prerequisite - A grade of “B” or higher in Visual Arts

Grades 9-12

Credit - ½

Fee: TBA

In Drawing the students will apply the knowledge learned from Visual Art. They will incorporate the elements and principles of design into the planning and compositions of a number of original works. Students will learn to use a variety of media and techniques to create values and blending in several projects. The objective is to develop strong drawing skills and use of materials related to fine and commercial art.

Ceramics I

Prerequisite – None

Grades 9-12

Credit - ½

Fee: TBA

Ceramics is a studio course in which students explore clay as an art form. Emphasis is placed on developing basic hand building skills. Students will construct functional and decorative ceramic objects using 3 basic hand building methods: pinch, coil, and slab. Surface decoration and glaze use are also stressed. Art History is integrated throughout the course and is an integral part of understanding current and past ceramic styles. Students will complete class work assignments, quizzes and exams, along with producing utilitarian and fine art form made from clay.

Ceramics II -

Prerequisite – Must have had a Passing grade of a “C” or higher in Ceramics I

Grades 10-12

Credit - ½

Fee: TBA

Ceramics II is an advanced ceramics class with higher expectations. Students will apply the knowledge and skills gained in Ceramics I. Students are expected to demonstrate growth in problem solving, controlling the properties of clay to develop complex forms, strengthening artistic expression, and critical thinking. Students will also become familiar with basic wheel throwing techniques creating several utilitarian pieces. Students will complete class work assignments, quizzes and exams, along with producing utilitarian and fine art form made from clay. Ceramics I is required before entering this course. Cannot be taken in the same semester as Ceramics I.

Sculpture I & II

Prerequisite - A grade of “B” or higher in Visual Arts

Grades 9-12

Credit - ½

Fee: TBA

Must have Sculpture I prior to taking II.

This is a studio class designed to present the student with the basic skills, techniques and various methods used to create sculpture in various media. Students may create three-dimensional sculpture forms from clay, wood, wire, and plaster and use them as a means for visual communication and expression. Emphasis is placed upon personal expression, creativity, independent planning, execution of works, and visual communication.

Digital Design I & II (Graphic Art) -

Grades 9-12

Credit - ½

Fee: TBA

Must have Digital Design I prior to taking II.

Digital design is designed to expose students to visual communication through hand crafted and digital artworks. Students will create original art works using hand drawn, computer generated and photographic images. Printmaking, illustration, layout and typography will be emphasized. Quizzes, sketching and journaling, written critical analysis and portfolio development will be required.

Mixed Media Creations -

Grades 9-12

Credit - ½

Fee: TBA

Students will expand on the knowledge they gained from Visual Art. Students will create their own mixed media creations while exploring clay, Paper-Mache, plaster, relief, carving, printmaking, sculpting, jewelry/enameling, and collage techniques. Work in aesthetics, creativity, and craftsmanship will be stressed. Evaluations includes art work, written material, quizzes, exams and homework.

World Languages

RECOMMENDED GRADE AVAILABLE

ELECTIVE COURSES	9	10	11	12
Travel Seminar	E	E	E	E
German I	E	E	E	E
German II		E	E	E
German III			E	E
German IV				E
Spanish I	E	E	E	E
Spanish II	E	E	E	E
Spanish III		E	E	E
Spanish IV (Dual enrollment)			E	E
Spanish V (Dual enrollment)			E	E

Credits in a foreign language are not required for students to meet graduation requirements. Students who plan to attend college are encouraged to earn 2 credits in the same foreign language. Students who are pursuing the honors diploma must have 3 credits in the same foreign language OR 2 credits each of 2 different foreign languages.

World Languages

College-bound students should take a World Language in high school. Other students who have a strong interest or language ability should also be encouraged to choose a World Language. The advantages of taking language are increasing career possibilities, advanced standing or course exemption in college, foreign travel potential, cultural and political understanding, and personal satisfaction. German and Spanish are practical languages for students planning careers in business, the natural and social sciences, Foreign Service, as well as advanced work in medicine and engineering. Listening, speaking, reading, and writing are a part of the entire program of the modern World Language. . Fluency in the language is commensurate with the number of years of study and not to be expected immediately.

German I

Grades 9, 10, 11, 12

1 credit

Fee: TBA

The emphasis is on German as a spoken language. The student is given the opportunity to develop skills in speaking, listening, reading, and writing German. The student will also learn about the culture and civilization of the German speaking countries.

German II

Grades 10, 11, 12

1 credit

Prerequisite: German I

Fee: TBA

This course is a continuation of German I and offers further study and practice in speaking, listening, reading, and writing German. There is also further study of German culture and civilization.

German III

Grades 11, 12

1 credit

Prerequisite: German II

Fee: TBA

This course continues with further understanding and ability in speaking, listening, reading, and writing in German. Vocabulary, basic language structures, and verb tenses are increased. More emphasis is added to German history and culture. This course should be considered for students who are planning to go to college.

German IV

Grades 12

1 credit

Prerequisite: German III

Fee: TBA

Further study of German with emphasis on reading, listening, writing, and speaking forms the basis for this course. Students will be exposed to additional reading pieces, contemporary films, and German history study.

Spanish I

Grades 7, 8, 9, 10, 11, 12

1 Credit

Fee: TBA

Spanish I is an introductory course to teach the mechanics and principles of the Spanish language. Further, the course will explore the culture of the Spanish-speaking world. The emphasis is on Spanish as a spoken language. The students develop skills in speaking, listening, reading, and writing Spanish.

***Teacher will be speaking in Spanish and English.**

Spanish II

Grades 8, 9, 10, 11, 12

1 Credit

Prerequisite: Spanish I

Fee: TBA

Spanish II is a continuation of the concepts learned in Spanish I, with more emphasis on producing language in real-world situations. Students will be expected to listen to the teacher in Spanish. The course offers further study and practice in speaking, listening, reading, and writing Spanish. There is also further study of the cultures and civilizations of the Spanish – speaking world. This course requires students to spend time outside of the regular class period working on their language skills to experience success.

***Teacher will be speaking in Spanish.**

Spanish III

Grades 9, 10, 11, 12

1 Credit

Prerequisite: Spanish II

Fee: TBA

A continuation of Spanish II, the course offers further study and practice in speaking, listening, reading, and writing Spanish. There is also further study of the cultures and civilizations of the Spanish – speaking world. This course should be considered for students who are planning on attending a university or college.

***Teacher will be speaking in Spanish.**

Dual Enrollment Spanish IV

Grades 10, 11, 12,

1 Credit per Semester

Prerequisite: Spanish III and/or teacher recommendation

Fee: TBA

A continuation of Spanish III, the course offers further study and practice in speaking, listening, reading, and writing Spanish. There is also further study of the cultures and civilizations of the Spanish – speaking world. This course is offered as Dual Enrollment Spanish 101 and 102 through Cincinnati State for 8 college credits.

***Teacher will be speaking in Spanish.**

Dual Enrollment Spanish V

Grades 11, 12

1 Credit per Semester

Prerequisite: Spanish IV and/or teacher recommendation

Fee: TBA

A continuation of Spanish IV, the course offers further study and practice in speaking, listening, reading, and writing Spanish. There is also further study of the cultures and civilizations of the Spanish – speaking world. This course is offered as Dual Enrollment Spanish 201 and 202 through Cincinnati State for 8 college credits.

***Teacher will be speaking in Spanish.**

Butler Technology and Career Development Schools

Courses offered at Monroe High School

Family and Consumer Sciences

All students can benefit from Family and Consumer Sciences courses. The classes are designed to meet the needs of all different types of learners. Students will learn skills for managing individual and family needs, problem solving, setting goals, and being a leader. Students will experience a variety of teaching techniques: small group activities, presentations, hands-on projects, classroom discussions, labs, field trips, and community involvement. In each course all students are required to complete a final semester culminating course project and group community service project. Through integrated classroom activities students will be given the opportunity to participate in Family, Career, and Community Leaders of America (FCCLA), a youth leadership organization.

Consumer Economics

Grade 10, 11, 12

1/2 Credit

Practical money management is a skill that will last a lifetime. Students will study practical decision-making tools to help you reach financial goals, managing income and expenses, banking, wise use of credit, shopping strategies and financial career options. Additional topics include consumer behaviors and public policy. Students will have the opportunity to be involved in Family, Career and Community Leaders of America (FCCLA) state and national organization.

Leadership and Community Engagement

Grade 10, 11, 12

1 Credit

Successful athletes, powerful entrepreneur, and highly effective community members and citizens - what do they have in common? They must have strong leadership skills to achieve success. Learn the leadership skills that will be important to your future—regardless of career goals. This class teaches the “soft skills” identified as crucial for success, including vision and values; problem solving and creative thinking; goal setting and motivation; relationships and teamwork; communication and impact on you and your community. The class emphasizes small group work and hands-on experiences through service learning experiences. Students will be required to complete 50 service learning hours. Students will have the opportunity to be involved in Family, Career and Community Leaders of America (FCCLA) state and national organization.

Human Growth & Development

Grades 9,10,11,12

½ credit

You will examine an overview of human growth and development during all stages of life. Physical, cognitive, social, and emotional developmental milestones will be emphasized. Additional topics covered are human characteristics, genetic defects, parenting styles and responsibilities and cultural differences within a family unit and community. Students will have the opportunity to be involved in Family, Career and Community Leaders of America (FCCLA) state and national organization.

Culinary Fundamentals

Grades 9,10,11,12

½ credit

Introduction to basic cooking skills. Learn proper knife skills, food nutrition, basic food science principles, and cooking techniques such as sauté, poach, braise, and roast. Safe food handling and equipment usage are also introduced. Students will have the opportunity to be involved in Family, Career and Community Leaders of America (FCCLA) state and national organization.

Personal Wellness

Grades 9,10,11,12

½ credit

Are you looking for a way to learn how to juggle your relationships, activities and school? In this class you learn how to have a healthy lifestyle and guide healthy food choices. You will learn to manage stress, practice communication skills, nurture healthy relationships and create your own healthy lifestyle plan. Students will have the opportunity to be involved in Family, Career and Community Leaders of America (FCCLA) state and national organization.

Project Lead the Way – Engineering

PLTW IED - Introduction to Engineering Design

Grades 9 and 10

1 Credit

Prerequisites- Course relies heavily on math and science concepts. Students interested in this course should have strong scores in these subject areas.

Description- Students are introduced to the engineering design process, applying math, science and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to develop and document design solutions using engineering notebooks and 3D Modeling software.

Unit Summary- Design Process, Technical Sketching, Statistics, Modeling, Geometry of Design, Reverse Engineering, Documentation, Advanced Modeling, and Design Teams and Challenges

PLTW POE – Principles of Engineering

Grades 10, 11, & 12 (concentrations will primarily be 10th and 11th Grade)
1 Credit

Prerequisites- Successful completion of Introduction to Engineering Design.

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

Unit Summary- Energy and Power, Materials and Structures, Control Systems, and Statistics and Kinematics.

CAREER BASED INTERVENTION PROGRAM with Work Based Component

Term: *Full Year*

Prerequisite: None

Credits: Multiple Units

Fee: *\$10*

Location: *Monroe High School*

The Career Based Intervention Program is a career-technical program designed for students in grades 7-12 who are eligible based on academic and/or economic need. The CBI Program is designed to help students improve academic competence, graduate from high school, develop employability skills, set goals and implement a career plan, and participate in a career pathway in preparing for postsecondary education and future careers.

This program provides students with an opportunity to meet the academic needs for graduation while allowing for students to maintain appropriate employment within the business world. Students must meet the criteria set by the Butler Technology and Career Development Schools for both employment and academic eligibility.