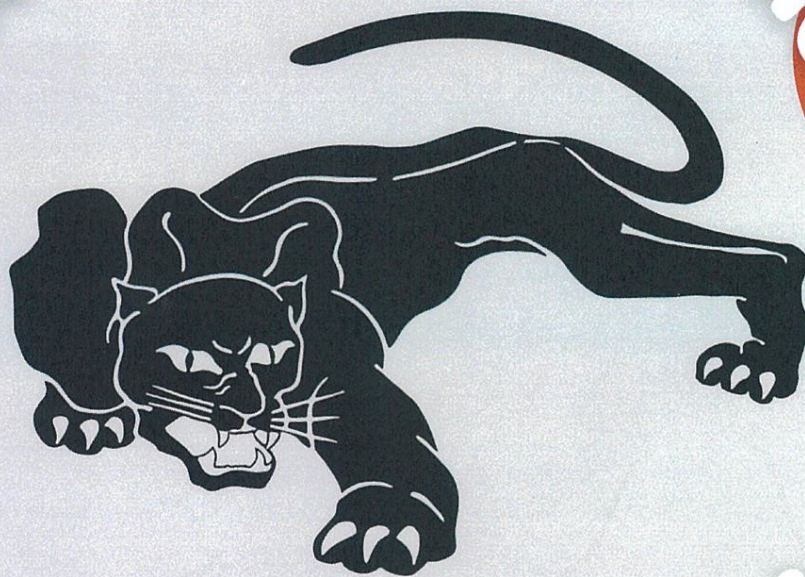


MANCHESTER HIGH SCHOOL



CURRICULUM GUIDE

2026-2027

BY: ISABELLAH



# Manchester Local School District Manchester High School

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Dear Students and Parents/Guardians,

We are proud of the ongoing work that goes into expanding our course offerings to meet the interests and needs of our students. This Curriculum Guide reflects our efforts to provide courses that not only meet students' needs but also offer opportunities to explore subjects that spark their interests and lead to careers after high school. Our goal for every student after graduation is to have one of the "3 E's" as part of their plan: enrolled, employed, or enlisted.

Manchester High School is proud of its experienced and dedicated staff, who assist students in discovering their unique gifts and talents while preparing them for life after graduation. In addition to our college prep curriculum, students can choose from five AP courses, earn an Honors Diploma, and pursue a variety of graduation seals. We also offer a wide selection of electives, opportunities to pursue vocational programs through our partnership with PLCC, and options to earn college credits through the College Credit Plus program.

We want every student to be successful and encourage conversations about interests, short- and long-term goals, talents, and skills that help them choose the path that is right for them. While grades are important, we encourage students to expand their experiences and challenge themselves in order to develop life skills, work habits, and tools to overcome obstacles. These traits are as essential to lifelong learning as the knowledge gained through academics.

As you begin selecting courses, please consider graduation requirements, required classes for MHS credits, athletic eligibility, and fee obligations. Once courses have been selected, changes will only be made under extenuating circumstances.

The scheduling process will begin in February with presentations and individual student meetings with counselors. If you have any questions throughout the process, please contact a counselor or administrator.

Sincerely,

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# Manchester High School - Graduation Requirements

A total of **21 credits** to include the following:

English	.....	4 Credits
Mathematics	..... (Must include Algebra II or equivalent of Algebra II)	4 Credits
Science	..... - Life Science (General or Accelerated Biology) - Physical Science (Physical Science, Chemistry or Physics) - Advanced Study (A.P. Chemistry, Chemistry, Physics, A.P. Physics I or Environmental Science)	3 Credits
Social Studies	..... - U.S. History - World History - Principles of Democracy	3 Credits
Basic Communication Skills	.....	1/2 Credit
Personal Finance	.....	1/2 Credit
Health	.....	1/2 Credit
Physical Education (2 semesters) or P.E. Waiver	.....	1 Credit
Fine Arts	.....	1 Credit
Electives*	.....	Remainder of credits

\*One (1) Credit of Elective must be in **one** of the following areas:

- Business	- Fine Arts
- Career-Technical Education	- Foreign Language
- Family and Consumer Science	- Technology

Students must also complete Ohio Competency and Readiness requirements listed on page 4-5.

# Manchester High School

## Graduation Requirements



- Course Completion:** Students must complete 21 credits to meet Manchester’s credit requirements.
- Competency Demonstration:** Students will demonstrate competency in the foundational areas of English Language Arts and mathematics by earning a passing score on the ELA II and the Algebra I tests. Alternative options for demonstrating competency include College Credit Plus, career-focused activities or military enlistment.
- Readiness Demonstration:** Students will demonstrate readiness for their post-high school paths by earning two seals that allow them to demonstrate important foundational and well-rounded academic and technical knowledge, professional skills, social and emotional competencies, and leadership and reasoning skills. At least one seal earned must be a state-defined seal.

<p><b>OhioMeansJobs Readiness Seal:</b> Meet the requirements and criteria established for the readiness seal, including demonstration of work-readiness and professional competencies.</p>	<p><b>State Seal of Biliteracy:</b> Proficiency requirements must be met on world language or English assessments.</p>
<p><b>Industry-Recognized Credential Seal:</b> Earn an approved industry-recognized credential that is aligned to a job considered in demand in this state and its regions.</p>	<p><b>Military Enlistment Seal:</b> Must provide evidence of enlistment in a branch of the U.S. Armed Forces.</p>
<p><b>Citizenship Seal:</b> Earn a proficient score (700+) on the American History and Government EOC. AP and CCP courses and scores can also apply.</p>	<p><b>Science Seal:</b> Earn a proficient score (700+) on the biology EOC. AP and CCP courses and scores also apply.</p>
<p><b>Honors Diploma:</b> Earn one of the six state-defined honors diplomas.</p>	<p><b>Technology Seal:</b> Earn a “B” or better in a CCP computer science course or complete a computer science course through our district.</p>
<p><b>College-Ready Seal:</b> Earn remediation-free scores on the ACT or SAT.</p>	<p><b>**Fine and Performing Arts Seal:</b> Must meet <b>at least one</b> of the following criteria:</p> <ul style="list-style-type: none"> <li>• Earn four credits in fine arts courses</li> <li>• Participate in four drama productions</li> <li>• Senior Portfolio Art display in Manchester’s Fine Arts Show</li> <li>• Superior Rating in vocal, instrumental, or comparable state competition</li> <li>• Other criteria approved by building administrator</li> </ul>
<p><b>**Student Engagement Seal:</b> Must complete <b>one</b> of the following:</p> <ul style="list-style-type: none"> <li>• Earn credit in two AP courses</li> <li>• Complete four seasons of athletics</li> <li>• Participate in four extracurricular clubs during high school</li> <li>• Student proposal (scouts, 4-H, etc.)</li> </ul>	<p><b>**Community Service Seal:</b> Complete 20 hours of community service. Service must be documented according to MHS accountability form. Community service should be completed between the first day of freshman year and Jan. 1st of senior year.</p>

\*\*Denotes Local Seals. Students may only earn one local seal toward state graduation requirements.  
2/11/20

## Scheduling Policies

The basis for building a master schedule of class offerings, for any school year, is the consideration of requests made by our students at scheduling time. Each individual course request affects the final schedule for the next school year. Staffing, room assignments and the number of course sections are all determined by these choices. **Therefore, when students make their course selections, it is understood that their schedule will reflect these choices. Students will have until the last day of school to make changes.**

Each student must be registered for enough course work in one year, so they will end that year with a minimum of five and one half (5-1/2) credits in grades nine through twelve. **It is the responsibility of the student and parent to verify that a student's final schedule meets all OHSAA athletic eligibility requirements.** All questions regarding athletic eligibility should be directed to the Athletic Department.

## Grading Policy

The grading policy will be based on a 10 point grading system. All grades are recorded as letter grades. A student's average is based upon their grades in all academic classes. Final grade point averages will be calculated to include all eight semesters of academic work.

**Students receiving a GPA of 4.0 and above for their nine weeks grades are placed on the Honor Roll.**  
**Students receiving a GPA of 3.7-3.99 for their nine weeks grades are placed on the Merit Roll.**

Grade	Percent	Point Range
A+	98-100	4.3
A	93-97	4.0
A-	90-92	3.7
B+	87-89	3.3
B	83-86	3.0
B-	80-82	2.7
C+	77-79	2.3
C	73-76	2.0
C-	70-72	1.7
D+	67-69	1.3
D	63-66	1.0
D-	60-62	0.7
F	0-59	0

Students will be recognized using the following tiers:

Summa Cum Laude	4.3 and above
Magna Cum Laude	4.0—4.29
Cum Laude	3.7—3.99

We will still recognize a Valedictorian, and continue to encourage students in their pursuit of Honors Diplomas.

## Course Obligation Fees

Most textbooks are furnished free of charge, however workbooks will be paid for by the student. Fees will also be required for certain subjects. These obligation fees should be paid during the first nine weeks grading period.

Fees listed are for the current school year and could vary from year to year. They also may increase due to shipping and handling costs. The obligation fees should not be the determining factor if a student is interested in a class. If there are financial hardships, please contact one of the counselors. Certain situations may warrant other financial arrangements.

Art Department Courses	\$20 & \$25	Physical Education Uniform	\$17.00
Chemistry	\$12.00	Replacement Locks	\$ 6.00
English 9-12 Software Fee	\$10.00	*Senior Class Dues	\$25.00
Family & Consumer Science Courses	\$20.00	Technology Class Fee	\$ 6.00

MLS Chromebook Fee of \$10.00 is required for all students in grades K-12. Full-time PLCC students are exempt from the Chromebook fee.

**\*Senior Class Dues** - The money collected will be used for the following Senior Class Activities: Senior Awards Night, Community Service Day, Senior Personality Awards and expenses incurred from Graduation. This includes PLCC students.

# Ohio's High School Graduation Requirements

## Classes of 2023 and Beyond

It's Your **Future.** Get **Ready.**

**Before you know it, you'll be receiving your high school diploma. Ohio is giving you new ways to show the world what you can do with it.**

As a student entering ninth grade on or after **July 1, 2019**, Ohio's new high school graduation requirements give you more flexibility to choose a graduation pathway that builds on your strengths and passions – one that ensures you are ready for your next steps and excited about the future.

### First, cover the basics

You must earn a minimum total of 20 credits in specified subjects and take your required tests. Then, decide how you will round out your diploma requirements.

English language arts	4 credits
Health	½ credit
Mathematics	4 credits
Physical education	½ credit
Science	3 credits
Social studies	3 credits
Electives	5 credits

### Other Requirements

You also must receive instruction in economics and financial literacy and complete at least two semesters of fine arts. Your district may require more than 20 credits to graduate.

### Second, show competency

Earn a passing score on Ohio's high school Algebra I and English II tests. Students who do not pass the test will be offered additional support and must retake the test at least once.

**Is testing not your strength?** After you have taken your tests, there are three additional ways to show competency!

#### Option 1.

##### Demonstrate Two Career-Focused Activities<sup>1</sup>:

###### Foundational

Proficient scores on WebXams  
A 12-point industry credential  
A pre-apprenticeship or acceptance into an approved apprenticeship program

###### Supporting

Work-based learning  
Earn the required score on WorkKeys Earn the OhioMeansJobs Readiness Seal

#### Option 2.

##### Enlist in the Military

Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation.

#### Option 3.

##### Complete College Coursework

Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program.

<sup>1</sup>At least one of the two must be a Foundational skill.

## Third, show readiness

Earn two of the following diploma seals, choosing those that line up with your goals and interests. These seals give you the chance to demonstrate academic, technical and professional skills and knowledge that align to your passions, interests and planned next steps after high school.

### At least one of the two must be Ohio-designed:

- OhioMeansJobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- College-Ready Seal (Ohio)
- Military Enlistment Seal (Ohio)
- Citizenship Seal (Ohio)
- Science Seal (Ohio)
- Honors Diploma Seal (Ohio)
- Seal of Biliteracy (Ohio)
- Technology Seal (Ohio)
- Community Service Seal (Local)
- Fine and Performing Arts Seal (Local)
- Student Engagement Seal (Local)

**Want to learn more?** Contact your school counselor or visit [education.ohio.gov/graduation](http://education.ohio.gov/graduation)





# Ohio High School Honors Diplomas

Students must meet all but one of the listed criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met. Each of these criteria go beyond the standard course requirements for a diploma, which can be found [here](#). Students may replace any of the blue options with a "Student Strength Demonstration."

Requirements	Academic Honors Diploma	International Baccalaureate Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma	Social Science & Civic Engagement Honors Diploma
1.	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2
2.	1 additional unit of Advanced Science <sup>2</sup>	1 additional unit of Advanced Science <sup>2</sup>	Proficient pathway score on WebXams <sup>3</sup>	1 additional unit of Advanced Science <sup>2</sup>	4 units of fine arts	2 additional units of Social Studies
3.	1 additional unit of Social Studies	1 additional unit of Social Studies	4 units of Career-Tech Courses	2 units of additional STEM Courses as electives	Electives - 2 Units of Fine Arts (may overlap with general 4 units)	Meet the requirements to earn the Citizenship Seal
4.	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	2 units of one world language	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied
5.	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
6.	27 ACT/1280 SAT <sup>6</sup>	27 ACT/1280 SAT <sup>6</sup>	27 ACT/1280 SAT <sup>6</sup> / WorkKeys <sup>5</sup>	27 ACT/1280 SAT <sup>6</sup>	27 ACT/1280 SAT <sup>6</sup>	27 ACT/1280 SAT <sup>6</sup>
7.	Earn 2 additional diploma seals, *not including the Honors Diploma Seal	Meet requirements to earn the Seal of Biliteracy	Meet the requirements to earn the Industry-Recognized Credential Seal or Technology Seal	Meet the requirements to earn the Industry-Recognized Credential Seal or Technology Seal	Meet the requirements to earn the Fine Arts Seal	Meet the requirements to earn the Community Service Seal
8.	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>
Substitution	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>

Students may replace one of the options in "Blue" (options 4, 5, or 6) with a "Student Strength Demonstration"<sup>1</sup>



## Ohio High School Honors Diplomas

### NOTES:

Completion of any advanced standing program, which includes Advanced Placement, International Baccalaureate, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.

<sup>1</sup> Students can use the Student Strength Demonstration to replace one of ACT/SAT, GPA or World Language requirement for any Honors Diploma.

College Credit Plus: Earn 12 college credits through the College Credit Plus program

Advanced Placement: Complete three advanced placement (AP) courses with score of 3 or higher on the corresponding AP tests

Career-Technical Assurance Guide (CTAG): Earn 12 articulated college credits through CTAGs

Apprenticeship/Pre-Apprenticeship: Complete an apprenticeship registered with the Ohio state apprenticeship council; complete a pre-apprenticeship program recognized by the Ohio state apprenticeship council; or submit evidence of acceptance into an apprenticeship if the program requires applicants to be 18 or older to enroll

WorkKeys: Earn a score of 6 or higher on all three sections of the WorkKeys test (Note: Students seeking the Career-Tech Honors Diploma may only use this demonstration as a substitute for the World Language criteria. This demonstration may not be used as a substitute for the GPA and ACT or SAT Score criteria for purposes of the Career-Tech Honors Diploma.)

Armed Services Vocational Aptitude Battery (ASVAB): Earn a score of 50 or above on the ASVAB.

Work-Based Learning: Complete 250 total hours or more of work-based learning.

<sup>2</sup> Advanced science courses contain rigorous content appropriate for grades 11 and 12. An advanced science course builds on the concepts and skills developed in the physical science and biology courses detailed in Ohio's Learning Standards for Science.

<sup>3</sup> Student must achieve a cumulative score of proficient or higher on the technical assessments aligned to their program. Technical assessments may include: WebXam test, industry recognized credentials in lieu of WebXam test, and College Credit Plus Career Technical Education course grades.

<sup>4</sup> Students can satisfy the experiential-learning requirement by completing or attaining one of the following options: [field experience and portfolio](#), [OhioMeansJobs Readiness Seal](#), or work-based learning.

<sup>5</sup> Students using WorkKeys to satisfy this assessment requirement must earn a score of six or higher on all three sections of the WorkKeys assessment (Graphic Literacy, Workplace Documents, and Applied Mathematics). The WorkKeys option applies only to the Career Tech Honors Diploma.

<sup>6</sup> Students must have scores of 27 or higher on the ACT or 1280 or higher on the SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included. Students can use a superscore on the ACT or SAT to meet the required scores.

# 9th Grade Course Offering - 2026/2027

**REQUIRED COURSES: Your schedule must consist of a minimum of six (6) academic periods per day.**

**English (select one):**

_____	1110	C.P. English 9	Year-1
_____	1120	Advanced English 9	Year-1

**Social Studies:**

_____	2300	U.S. History	Year-1
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**Required for Graduation:**

_____	1150	Basic Comm. Skills	Sem.-1/2
_____	2700	*Personal Finance	Sem.-1/2
_____	9300	Physical Education	Sem.-1/2
_____	9500	Health	Sem.-1/2

**Mathematics (select one):**

_____	3110	C.P. Algebra I	Year-1
_____	3210	C.P. Unified Geometry	Year-1
_____	3112	Algebra I - IM	Year-1

**Science (select one):**

_____	3700	General Biology	Year-1
_____	3610	Accelerated Biology	Year-1

*\*We recommend that students wait to take Personal Finance when possible, as the concepts become more applicable as students approach graduation.*

**ELECTIVES:**

**Art:**

_____	5100	Art I	Sem.-1/2
_____	5200	Art II	Sem.-1/2
_____	5150	Intro. to Painting	Sem.-1/2

**Technology:**

_____	9640	Intro to Technology	Sem.-1/2
_____	9650	Computer Programming I	Sem.-1/2
_____	9652	Computer Programming II	Sem.-1/2
_____	9660	Digital Media Arts I	Sem.-1/2

**Business Education:**

_____	4400	Computer Applications I	Sem.-1/2
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**Family & Consumer Science:**

_____	6100	Foods	Sem.-1/2
_____	6120	Foods II	Sem.-1/2
_____	6210	Kids and You	Sem.-1/2

**Additional:**

_____	1500	Guided Study	Year-0
_____	3750	Psychology	Sem.-1

(distance learning Univ. of Akron)

_____	6300	Independent Living	Sem.-1/2
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**Foreign Language:**

_____	7100	French I	Year-1
_____	7500	Spanish I	Year-1

**Music:**

_____	8100	Marching Band	Sem.-1/2
_____	8120	Concert Band	Sem.-1/2
_____	8200	Manchester Voices	Year-1
_____	8300	Music Appreciation	Sem.-1/2
_____	8310	Music Theory	Sem.-1/2
_____	8320	History of Rock & Roll	Sem.-1/2

# 10th Grade Course Offering - 2026/2027

## **REQUIRED COURSES: Your schedule must consist of a minimum of six (6) academic periods per day.**

### **English (select one):**

_____	1210	C.P. English 10	Year-1
_____	1220	Advanced English 10	Year-1

### **Mathematics (select one):**

_____	3210	C.P. Unified Geometry	Year-1
_____	3310	C.P. Algebra II	Year-1
_____	3211	Unified Geometry - IM	Year-1

### **Science (select one):**

_____	3600	Physical Science	Year-1
_____	3800	Chemistry I	Year-1

### **Social Studies:**

_____	2100	World History	Year-1
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### **Required for Graduation:**

_____	1150	Basic Comm. Skills	Sem.-1/2
_____	2700	Personal Finance	Sem.-1/2
_____	9300	Physical Education	Sem.-1/2

## **ELECTIVES:**

### **Art:**

_____	5100	Art I	Sem.-1/2
_____	5200	Art II	Sem.-1/2
_____	5150	Intro. to Painting	Sem.-1/2

### **Business Education:**

_____	4400	Computer Applications I	Sem.-1/2
_____	4410	Computer Applications II	Sem.-1/2

### **English:**

_____	1160	Adv. Comm. Skills	Sem.-1/2
_____	1180	Mythology	Sem.-1/2

### **Family & Consumer Science:**

_____	6100	Foods	Sem.-1/2
_____	6120	Foods II	Sem.-1/2
_____	6210	Kids and You	Sem.-1/2
_____	6300	Independent Living	Sem.-1/2

### **Foreign Language:**

_____	7100	French I	Year-1
_____	7200	French II	Year-1
_____	7500	Spanish I	Year-1
_____	7600	Spanish II	Year-1

### **Music:**

_____	8100	Marching Band	Sem.-1/2
_____	8120	Concert Band	Sem.-1/2
_____	8200	Manchester Voices	Year-1

### **Technology:**

_____	9640	Intro to Technology	Sem.-1/2
_____	9650	Computer Programming I	Sem.-1/2
_____	9652	Computer Programming II	Sem.-1/2
_____	9660	Digital Media Arts I	Sem.-1/2
_____	9661	Digital Media Arts II	Sem.-1/2

### **Additional Courses:**

_____	1500	Guided Study	Year-0
_____	9690	Yearbook	Year-1
_____	3750	Psychology	Sem.-1
		(distance learning from Univ. of Akron)	

_____	8300	Music Appreciation	Sem.-1/2
_____	8310	Music Theory	Sem.-1/2
_____	8320	History of Rock & Roll	Sem.-1/2

# 11th Grade Course Offering - 2026/2027

## **REQUIRED COURSES: Your schedule must consist of a minimum of six (6) academic periods per day.**

### **English (select one):**

_____	1310	C.P. English 11	Year-1
_____	1320	A.P. English Language & Comp.	Year-1
_____	1450	+English Comp. I (CCP Course)	Sem.-1
_____	1451	+English Comp. II (CCP Course)	Sem.-1

### **Science (select one):**

_____	3800	Chemistry I	Year-1
_____	3820	A.P. Chemistry	Year-1
_____	3900	Physics	Year-1
_____	3920	Environmental Science	Year-1

**+ Must be accepted by Univ. of Akron CCP program and meet placement requirements**

### **Mathematics (select one):**

_____	3302	Algebra II E - IM	Year-1
_____	3310	C.P. Algebra II	Year-1
_____	3400	Pre-Calculus	Year-1
_____	3311	Advanced Quantitative Reasoning	Year-1
_____	3450	Statistics & Probability	Year-1

### **Required for Graduation:**

_____	1150	Basic Comm. Skills	Sem.-1/2
_____	2700	Personal Finance	Sem.-1/2
_____	9300	Physical Education	Sem.-1/2
_____	9500	Health	Sem.-1/2

## **ELECTIVES:**

### **Art:**

_____	5100	Art I	Sem.-1/2
_____	5200	Art II	Sem.-1/2
_____	5300	Studio Problems	Year-1
_____	5400	Advanced Studio Problems	Year-1
_____	5150	Intro. to Painting	Sem.-1/2

### **Music:**

_____	8100	Marching Band	Sem.-1/2
_____	8120	Concert Band	Sem.-1/2
_____	8200	Manchester Voices	Year-1
_____	8300	Music Appreciation	Sem.-1/2
_____	8310	Music Theory	Sem.-1/2
_____	8320	History of Rock & Roll	Sem.-1/2

### **Business Education:**

_____	4400	Computer Applications I	Sem.-1/2
_____	4410	Computer Applications II	Sem.-1/2
_____	4500	Accounting I	Year-1

### **Social Studies:**

_____	2500	Applied Economics	Sem.-1/2
_____	2600	Global Studies	Sem.-1/2
_____	2420	Current Issues	Sem.-1/2
_____	2800	Sociology	Sem.-1/2
_____	3750	Psychology	Sem.-1

(distance learning Univ. of Akron)

### **English:**

_____	1180	Mythology	Sem-1/2
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_____	1160	Adv. Comm. Skills	Sem.1/2
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### **Family & Consumer Science:**

_____	6100	Foods	Sem.-1/2
_____	6120	Foods II	Sem.-1/2
_____	6210	Kids and You	Sem.-1/2
_____	6300	Independent Living	Sem.-1/2

### **Technology:**

_____	9640	Intro to Technology	Sem.-1/2
_____	9650	Computer Programming I	Sem.-1/2
_____	9652	Computer Programming II	Sem.-1/2
_____	9660	Digital Media Arts I	Sem.-1/2
_____	9661	Digital Media Arts II	Sem.-1/2

### **Foreign Language:**

_____	7100	French I	Year-1
_____	7200	French II	Year-1
_____	7300	French III	Year-1
_____	7500	Spanish I	Year-1
_____	7600	Spanish II	Year-1
_____	7700	Spanish III	Year-1

# 11th Grade Course Offering - 2026/2027

## Health & Physical Education:

\_\_\_\_\_ 9310 Foundations of Fitness Sem.-1/2

## Additional Courses:

\_\_\_\_\_ 1500 Guided Study Year - 0

\_\_\_\_\_ 9680 Career-Based Intervention Year-1.5

\_\_\_\_\_ 9681 C.B.I.- Related Year-1.5

\_\_\_\_\_ 9690 Yearbook Year-1

\_\_\_\_\_ 7770 Portage Lakes Career Center Full Day

\_\_\_\_\_ 7777 Portage Lakes Career Center 1/2 Day

\_\_\_\_\_ 9670 Focus Sem.-1/2

# 12th Grade Course Offering - 2026/2027

**REQUIRED COURSES:** Your schedule must consist of a minimum of six (6) academic periods per day.

**English (select one):**

_____	1410	C.P. English 12	Year-1
_____	1420	A.P. English Literature & Composition	Year-1
_____	1450	+English Comp. I (CCP Course)	Sem.-1
_____	1451	+English Comp. II (CCP Course)	Sem.-1

**Mathematics (select one):**

_____	3400	Pre-Calculus	Year-1
_____	3420	A.P. Calculus AB	Year-1
_____	3130	Business Math - IM	Year-1
_____	3450	Statistics & Probability	Year-1
_____	3440	Business Math	Year-1

**ELECTIVES:**

**Art:**

_____	5100	Art I	Sem.-1/2
_____	5200	Art II	Sem.-1/2
_____	5300	Studio Problems	Year-1
_____	5400	Adv. Studio Problems	Year-1
_____	5150	Intro. to Painting	Sem.-1/2

**Business Education:**

_____	4400	Computer Applications I	Sem.-1/2
_____	4410	Computer Applications II	Sem.-1/2
_____	4500	Accounting I	Year-1

**English:**

_____	1160	Adv. Comm. Skills	Sem.1/2
_____	1180	Mythology	Sem-1/2

**Family & Consumer Science:**

_____	6100	Foods	Sem.-1/2
_____	6120	Foods II	Sem.-1/2
_____	6210	Kids and You	Sem.-1/2
_____	6300	Independent Living	Sem.-1/2

**Foreign Language:**

_____	7100	French I	Year-1
_____	7200	French II	Year-1
_____	7300	French III	Year-1
_____	7400	French IV	Year-1
_____	7500	Spanish I	Year-1
_____	7600	Spanish II	Year-1
_____	7700	Spanish III	Year-1
_____	7800	Spanish IV	Year-1

**Social Studies:**

_____	2400	Principles of Democracy	Year-1
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**Required for Graduation:**

_____	1150	Basic Comm. Skills	Sem.-1/2
_____	2700	Personal Finance	Sem.-1/2
_____	9300	Physical Education	Sem.-1/2
_____	9500	Health	Sem.-1/2

**+ Must be accepted by Univ. of Akron CCP program and meet placement requirements**

**Science:**

_____	3800	Chemistry I	Year-1
_____	3820	A.P. Chemistry	Year-1
_____	3900	Physics	Year-1
_____	3910	A.P. Physics I	Year-1
_____	3920	Environmental Science	Year-1

**Social Studies:**

_____	2420	Current Issues	Sem.-1/2
_____	2500	Applied Economics	Sem.-1/2
_____	2800	Sociology	Sem.-1/2
_____	3750	Psychology	Sem.-1
		(distance learning Univ. of Akron)	
_____	2600	Global Studies	Sem.-1/2

**Technology:**

_____	9640	Intro to Technology	Sem.-1/2
_____	9650	Computer Programming I	Sem.-1/2
_____	9652	Computer Programming II	Sem.-1/2
_____	9660	Digital Media Arts I	Sem.-1/2
_____	9661	Digital Media Arts II	Sem.-1/2

**Additional Courses:**

_____	1500	Guided Studies	Year-0
_____	9670	Focus	Sem.-1/2
_____	9680	Career-Based Int.	Year-1.5
_____	9681	C.B.I.-Related	Year-1.5
_____	9690	Yearbook	Year-1
_____	8880	Portage Lakes Career Center 1/2 Day	
_____	8888	Portage Lakes Career Center Full Day	

# 12th Grade Course Offering - 2026/2027

## Health & Physical Education:

\_\_\_\_\_ 9310 Foundations of Fitness Sem.-1/2

## Music:

\_\_\_\_\_ 8100 Marching Band Sem.-1/2

\_\_\_\_\_ 8120 Concert Band Sem.-1/2

\_\_\_\_\_ 8200 Manchester Voices Year-1

\_\_\_\_\_ 8300 Music Appreciation Sem.-1/2

\_\_\_\_\_ 8310 Music Theory Sem.-1/2

\_\_\_\_\_ 8320 History of Rock & Roll Sem.-1/2

# Art Department - Course Description

## **ART I - 5100**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** \$20.00 and students will be responsible for keeping a student portfolio

Art I is designed to open the student to a better appreciation of art, as well as, provide a foundation for Art II.

The course will be devoted primarily to drawing procedures stressing perspective, drawing with emphasis on shading, form, line, contour textures, and values. Color and design theory will be introduced emphasizing harmony, balance, and dominance which will be applied to a variety of practical problems, i.e., overall design, illustration, posters, and lettering.

## **ART II - 5200**

**One Semester - 1/2 Credit**

**Open to:** Grades 10-12

**Prerequisite:** Art I

**Course Fee:** \$20.00 and students will be responsible for keeping a student portfolio

The course will include drawing procedures, again stressing more advanced concepts in perspective and drawing techniques with more emphasis placed upon composition and originality of subjects. Various media will be explained and students will be expected to attain a higher level of competency in the handling of drawing skills. Design and color theory will be reintroduced through a more sophisticated use of color handling. Design, arrangement, and personal feeling for subject matter will be encouraged.

## **STUDIO PROBLEMS - 5300**

**All Year - 1 Credit**

**Open to:** Grades 11-12

**Prerequisite:** Art II

**Course Fee:** \$25.00 and students will be responsible for keeping a student portfolio

The Studio Problems course is designed for students who have completed Art I and II. Problems in painting, drawing, lettering, ceramics, graphics, design, color, art history, digital photography, and other areas will be investigated.

## **ADVANCED STUDIO PROBLEMS - 5400**

**All Year - 1 Credit**

**Open to:** Grade 12

**Prerequisite:** Studio Problems

**Course Fee:** \$25.00 and students will be responsible for keeping a student portfolio.

The Advanced Studio Problems course is designed for seniors who have completed the Studio Problems course. Problems in painting, drawing, lettering, sculpture, digital photography, ceramics, graphics, design, color, and art history will be investigated.

## Art Department - Course Description

### Introduction to Painting—5150

One Semester - 1/2 Credit

**Open to:** Grades 9-12

**Prerequisite:** There is no prerequisite for taking the Introduction to Painting course. However, it would benefit students to have a prior knowledge and understanding of the Art Elements and use of painting tools and mediums before enrollment in the course.

**Course Fee:** \$20.00

Introduction to Painting is a semester long course designed for students who are seriously interested in painting. Students will learn about classical and contemporary painting styles, techniques and concepts, as well as approaches to making representational and abstract paintings on a variety of supports and using a variety of paint mediums. Assignments will be strategically ordered to promote growth in painting ability. Subjects to be covered will include portraits, landscapes, objective/ non-objective art, still-life, and original themes.

## Business Education - Course Description

### COMPUTER APPLICATIONS I - 4400

Semester - 1/2 Credit

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

Students will develop keyboarding skills and utilize computer software applications in a project-based environment. Lessons will focus on word processing, spreadsheet, presentation, database and some graphic design applications within Microsoft Office, Google Apps and other related platforms. This course is valuable at all levels and recommended for college bound students as well as those who will work in the business world.

### COMPUTER APPLICATIONS II - 4410

Semester - 1/2 Credit

**Open to:** Grades 10-12

**Prerequisite:** Computer Applications I

**Course Fee:** None

Advanced keyboarding skills and software applications will be applied to higher-level projects, including presentations, letter productions, reports, tabulations and special forms. Offered to sophomore, junior and senior students who have completed Computer Applications I satisfactorily.

### ACCOUNTING I - 4500

All Year - 1 Credit

**Open to:** Grades 11-12

**Prerequisite:** None

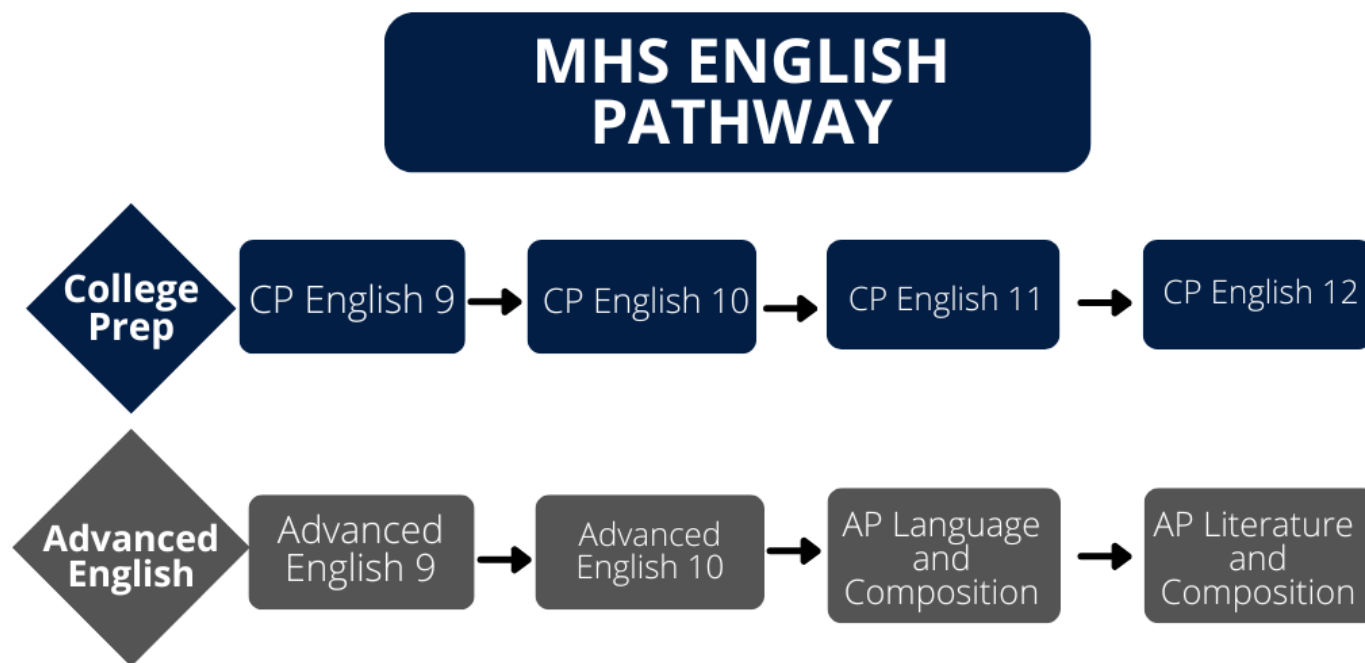
**Course Fee:** None

This course is an introduction to accounting and the world of business and is aimed at giving the students the basic principles on which to base further study in the area. It is not aimed at making accounting experts or accountants of those students who take it. It gives them enough information that they can keep a simple set of books for themselves or a small business. It also introduces them to the world of business by giving them some knowledge of terminology and forms used. In order to receive credit for this course, each student is required to purchase and complete a business simulation set. This course is highly recommended for all students who plan to major in any area of business administration in college.

# English Department - Course Description

The English program at Manchester High School has been developed to provide education in the five major skill areas covered in Ohio Core Standards in Language Arts. These areas are the following: Reading/Informational (RI), Reading/Literature (RL), Writing (W), Language/Grammar (L), and Speaking and Listening (SL).

There are ability levels (placements) for each grade: College Preparatory English, and Advanced English for grades 9 and 10; and College Preparatory and Advanced Placement English for grades 11 and 12. Students will be placed in the appropriate level according to academic record (Assessment tests, Standardized tests, classroom grades) and teacher and counselor recommendation.



## Failure Policy in English

If a student fails an English course, he/she must retake the failed semester before moving to the next level. Each student must pass the previous English course before he/she can enroll in the next level. For example, if a student has failed English 9, he/she cannot enroll in English 10 unless he/she has earned credit for the failed class. No student will be permitted to enroll in two levels of the English program simultaneously unless special permission is granted by the principal.

# English Department - Course Description

## **BASIC COMMUNICATION SKILLS - 1150**

**One Semester - 1/2 Credit**

**Open to:** Grades 9 -12

**Prerequisite:** None

**Course Fee:** None

Because the development of students' communication skills is a vital component of an effective English language program, Manchester High School students are required to complete this one-semester speech course. The course is designed to give each student a general understanding of the communication process and more specifically, an understanding of and practice in group discussion, speech preparation, speech presentation, and speech evaluation. Students may enroll in this course at any grade level; however, it is recommended that this course be taken during 9<sup>th</sup> or 10<sup>th</sup> grade.

## **ADVANCED COMMUNICATION SKILLS - 1160**

**One Semester - 1/2 Credit**

**Open to:** Grades 10 -12

**Prerequisite:** Basic Communication Skills

**Course Fee:** None

Building on skills covered in the prerequisite, this course will emphasize more advanced techniques for communication. The course is geared for those who will need speech for college and whose career choices will require excellence in communication. Students will prepare and present an expanded variety of speeches including humorous, oral interpretation, and dramatic. Debate, script acting, or panel discussions may also be included. To fulfill requirements for the class, students must participate in one out-of-class speaking activities such as: morning announcements, competition, announcing at an MHS event, Voice of Democracy, and others approved by the teacher.

## **A.P. ENGLISH LANGUAGE AND COMPOSITION - 1320**

**All Year - 1 Credit**

**Open to:** Grade 11

**Prerequisite:** Placement in English courses are determined by student ability and teacher recommendation

**Course Fee:** AP Exam Fee \$100.00 (subject to increase)

An A.P. course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. AP Exam is required of all students.

## **A.P. ENGLISH LITERATURE AND COMPOSITION - 1420**

**All Year - 1 Credit**

**Open to:** Grade 12

**Prerequisite:** Placement in English courses are determined by student ability and teacher recommendation

**Course Fee:** AP Exam Fee \$100.00 (subject to increase)

An A.P. English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. AP Exam is required of all students.

# English Department - Course Description

## **MYTHOLOGY - 1180**

**One Semester - 1/2 Credit**

**Open to:** Grades 10-12

**Prerequisite:** CP English 9 or Advanced English 9

**Course Fee:** None

Course readings will include mythology and folklore from a variety of cultures, encompassing origin stories and traditional myths, as well as modern cultural legends in the making. Students will explore connections between mythology, the English language, religion, and pop culture. Class assignments will include reading plays, ancient texts, graphic novels, writing, some film study, and creative projects. This class is designed to challenge students, provide philosophical insights, and offer critical thinking about diverse cultures, their stories, and their impact on our modern society.

## **ENGLISH COMPOSITION I (CCP COURSE) - 1450**

**One Semester- 1 Credit**

**Prerequisite:** Acceptance into the University of Akron CCP Program and meet the placement requirements for English Composition I. Three years of high school English Language or by recommendation.

**Course Fee:** None

This course is taught by a Manchester High School teacher, and is a weighted semester course in which students can earn one credit of high school English and three credits from The University of Akron. This College Credit Plus course will incorporate extensive and varied experience in developing writing skills, with practice in achieving a polished product of college-level writing. Writing will demonstrate understanding of audience by making appropriate decisions about tone, voice, word choice and formality based on purpose. Students will also learn how to apply college-level writing conventions including punctuation, grammar, formatting and citation (MLA and/or APA).

## **ENGLISH COMPOSITION II (CCP COURSE) - 1451**

**One Semester - 1 Credit**

**Prerequisite:** Acceptance into the University of Akron CCP Program and English Composition I.

**Course Fee:** None

This course is taught by a Manchester High School teacher, and is a weighted semester course in which students can earn one credit of high school English and three credits from The University of Akron. This College Credit Plus course is designed to develop critical reasoning skills for argumentative writing appropriate for college level writing. Students will analyze and appropriately apply argumentative strategies and persuasive appeals along with citing appropriate APA (or MLA) academic sources in college level writing.

# Family and Consumer Science Department - Course Description

## **FOODS I - 6100**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None (recommended as the first course)

**Course Fee:** \$20.00

This course is designed to expose students to the relationship of food science and nutrition principles to their health and wellness. Activities include safety & sanitation, kitchen management, food selection, food preparation and techniques, as well as the care and storage of food.

## **FOODS II - 6120**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** Foods I or teacher's recommendation

**Course Fee:** \$20.00

This is a comprehensive course in advanced food preparation for the more experienced cook. It focuses on food preparation of recipes appropriate for the average family and the function of ingredients. Students will experience various methods of preparation, i.e. the microwave, mixer, blender, and standard measuring equipment. Recipe terminology, ingredient substitutions, and familiarity with standardized recipes are also discussed.

## **KIDS AND YOU - 6210**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** \$20.00

This course is designed to take students on an extraordinary journey through the stages of childhood. Students will be exposed to family diversity and have the opportunity to experience, first-hand, the responsibilities of being a parent of a child and correlate their health decision-making to the life of their future child.

## **INDEPENDENT LIVING - 6300**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** \$20.00

This course is designed to prepare students with skills to live independently. Skills are developed to help students manage their needs in the areas of interpersonal relationships, housing, clothing, nutrition, and food. Management of time, money, and resources are emphasized in each area, allowing students to be successful at home and in the workplace.

# Foreign Language Department - Course Description

## **FRENCH I - 7100**

**All Year - 1 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

This introduction to the French language emphasizes and combines basic conversation, vocabulary acquisition, grammatical structures, simple verb tenses, reading comprehension, writing, listening and culture. Students receive a solid foundation in the language, as well as an exposure to the French culture.

## **FRENCH II - 7200**

**All Year - 1 Credit**

**Open to:** Grades 10-12

**Prerequisite:** French I (A "C" average or better in French I is recommended)

**Course Fee:** None

French II is a continuation of French I with reinforcement of material previously learned and the acquisition of new vocabulary and more advanced grammatical structures. More emphasis is placed on reading, writing, listening and speaking than in the previous year. Students are exposed to further study of the culture and history.

## **FRENCH III - 7300**

**All Year - 1 Credit**

**Open to:** Grades 11-12

**Prerequisite:** French II (A "C" average or better in French II is recommended)

**Course Fee:** None

This course is designed to strengthen conversational skills, review grammar, acquire more advanced grammatical structures, and increase vocabulary with an emphasis on comprehension, composition and conversation. Cultural study is continued.

## **FRENCH IV - 7400**

**All Year - 1 Credit**

**Open to:** Grade 12

**Prerequisite:** French III (A "C" average or better in French III is recommended)

**Course Fee:** None

This course is designed to continually strengthen conversational skills, review grammar, acquire more advanced grammatical structures, and increase vocabulary with an emphasis on comprehension, composition and conversation. Cultural study is continued.

## Foreign Language Department - Course Description

### **SPANISH I - 7500**

**All Year - 1 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

This introduction to the Spanish language emphasizes and combines basic conversation, vocabulary acquisition, grammatical structures, simple verb tenses, reading comprehension, writing, and culture. Students receive a solid foundation in the language as well as an exposure to the Spanish culture.

### **SPANISH II - 7600**

**All Year - 1 Credit**

**Open to:** Grades 10-12

**Prerequisite:** Spanish I (A "C" average or better in Spanish I is recommended)

**Course Fee:** None

Spanish II is a continuation of Spanish I with reinforcement of material previously learned and the acquisition of new vocabulary and more advanced grammatical structures. More emphasis is placed on reading and writing than in the previous year. Students are exposed to further study of the culture and history.

### **SPANISH III - 7700**

**All Year - 1 Credit**

**Open to:** Grades 11-12

**Prerequisite:** Spanish II (A "C" average or better in Spanish II is recommended)

**Course Fee:** None

This course is designed to strengthen conversational skills, review grammar, acquire more advanced grammatical structures, and increase vocabulary with an emphasis on comprehension and composition. Cultural study is continued.

### **SPANISH IV - 7800**

**All Year - 1 Credit**

**Open to:** Grade 12

**Prerequisite:** Spanish III (A "C" average or better in Spanish III is recommended)

**Course Fee:** None

This course is designed to continually strengthen conversational skills, review grammar, acquire more advanced grammatical structures, and increase vocabulary with an emphasis on comprehension and composition. Cultural study is continued.

## Health & Physical Education - Course Description

### **PHYSICAL EDUCATION - 9300**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12 (students must enroll in at least one semester their Freshman year and have attempted to complete the P.E. requirement by the end of their Sophomore year)

**Prerequisite:** All students are required to complete two semesters of Physical Education unless opting-out using a P.E. Waiver

**Course Fee:** \$17.00

The physical education program is designed to offer a variety of activities. Many of the lessons are designed to carry over to a lifetime of activity. The courses are grouped into semesters. Each grouping contains different courses which provide for a variety of activities. *Only ¼ credit total counts towards athletic eligibility.*

### **FOUNDATIONS OF FITNESS - 9310**

**One Semester - 1/2 Credit**

**Open to:** Grades 11-12

**Prerequisite:** None

**Course Fee:** None

The purpose of the Foundations of Fitness course is to provide each young person with a plan for a lifetime of good health and fitness. Through physical training, an understanding of nutrition, and the development of time management skills, students will learn that personal success and happiness are directly linked to physical, mental, moral, and emotional health.

### **HEALTH - 9500**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12 (Required for all Freshman)

**Prerequisite:** None

**Course Fee:** None

Health involves the relationship between the physical, emotional, and social aspects of life. Course study includes: nutrition, drugs, alcohol, tobacco, personal and community health, and developing a concept of health.

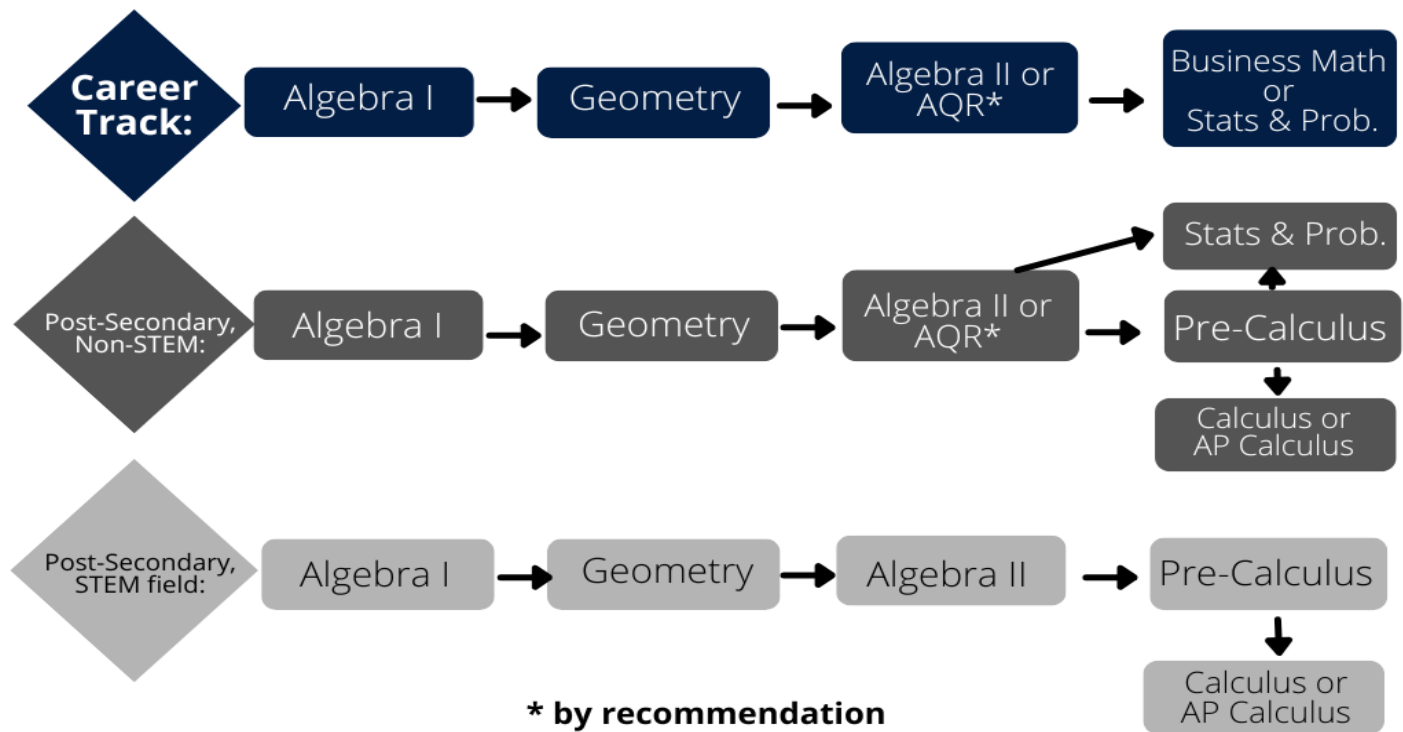
## Physical Education Waiver Information

Manchester Local School Board of Education has adopted a policy to excuse a student from the high school physical education requirement (two semesters) who, during high school, has participated in interscholastic athletics, marching band or cheerleading for at least two full seasons. However, the student shall be required to complete one unit of credit, consisting of at least 120 hours of instruction, in another course of study. Please see your school counselor to receive a P.E. Waiver form for approval.

# Mathematics Department - Course Description

\*Math course changes must be made by the first week of school. Exceptions are made on a case-by-case basis.

## MHS MATH PATHWAY



<https://education.ohio.gov/Topics/Learning-in-Ohio/Mathematics/Resources-for-Mathematics/Math-Pathways/Higher-Ed-Entry-Level-Math-Pathways-Course-Descrip>

### **CP ALGEBRA I - 3110**

**All Year - 1 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** ATI-30XIIS calculator is required; Desmos is used for state testing

This College-Preparatory course offers a more advanced study of the nature of algebra, the study of symbolism in algebra, and the use of the number system in solving practical and theoretical problems.

### **CP UNIFIED GEOMETRY - 3210**

**All Year - 1 Credit**

**Open to:** Grades 9-12

**Prerequisite:** CP Algebra I and students who take Algebra I in the 8<sup>th</sup> grade MUST get a “B” or higher to take CP Unified Geometry in 9<sup>th</sup> grade. If grade is “C” or lower, they must retake CP Algebra I in the 9<sup>th</sup> grade

**Course Fee:** A TI-30XIIS calculator is required

This College-Preparatory course is a more advanced study which incorporates the important features of plane and solid geometry with the fundamentals of analytic and transformational geometry.

# Mathematics Department - Course Description

## CP ALGEBRA II - 3310

All Year - 1 Credit

**Open to:** Grades 10-12

**Prerequisite:** CP Algebra I and CP Unified Geometry with a grade of “C” or higher

**Course Fee:** None (TI-83/84 graphing calculator is recommended)

CP Algebra II is a College-Preparatory course which deals with the solution of one or more variables, functional relations, proportion and variation, logarithms, and the binomial theorem. Every student planning to major in a science or mathematics curriculum in college should take this course.

## PRE-CALCULUS - 3400

All Year - 1 Credit

**Open to:** Grades 11-12

**Prerequisite:** Successful completion of CP Algebra I, CP Unified Geometry, and CP Algebra II with a grade of “B” average or higher per semester is recommended

**Course Fee:** None (A graphing calculator is recommended)

This is a college preparatory course which includes algebra and graphing of polynomial, rational, exponential, logarithmic, and trigonometric functions, along with an introduction to sequences and series.

## AP CALCULUS AB - 3420

All Year - 1 Credit

**Open to:** Grade 12

**Prerequisite:** CP Algebra I, CP Unified Geometry, CP Algebra II, and CP Pre-Calculus. (A TI-89 graphing calculator is recommended)

**Course Fee:** AP Exam Fee \$100.00 (subject to increase) - (An AP approved graphing calculator is required)

This course is designed to cover the material presented in the first semester of a three-semester calculus series in college. Topics included: analytical geometry, limits, differentiation, integration, and the applications of each. This course meets seven periods per week with three of these periods devoted to solving homework problems and graphing calculator usage. Students will take the AP Calculus AB exam in early May for college credit and/or placement. Students are required to take the AP Exam.

## INTERVENTION MATH (IM)

All Year - 1 Credit

**Open to:** Grades 9-12

**Prerequisite:** Will be offered to select students based on teacher recommendations in the following sequence.

**Course Fee:** None

3112 - Algebra I IM - 9<sup>th</sup> Grade

3302 - Algebra IIE IM - 11<sup>th</sup> Grade

3211 - Unified Geometry IM - 10<sup>th</sup> Grade

3130 - Business Math IM

# Mathematics Department - Course Description

## **STATISTICS AND PROBABILITY — 3450**

**All Year - 1 Credit**

**Open to:** Grades 11-12

**Prerequisite:** Algebra II

**Course Fee:** None

The purpose of this **senior-only level course** is to introduce the major concepts and tools for collecting, analyzing and drawing conclusions from data. You will be exposed to broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, statistical inference and probability. Computer applications and graphing calculators may be used to manipulate data. This class is intended for the college-bound student who does not intend to pursue a STEM related major. A TI-84 graphing calculator is recommended.

## **BUSINESS MATH — 3440**

**All Year - 1 Credit**

**Open to:** Grade 12

**Prerequisite:** Algebra II

**Course Fee:** None

This course is a senior-only level math course that will emphasize business-mathematical applications. It is intended for seniors only who plan to enter the workforce upon graduation and is not intended for students who are planning to attend college. A special emphasis will be placed upon where and when mathematics is used and applied, assisting in the transition to independent decision-making. Application of mathematics to business, life, and career will also be explored. ***NOT NCAA APPROVED***; must have approval of senior counselor to take this course. If you plan to attend college, or if you have taken or are currently taking CCP classes, this course is not recommended.

## **QUANTITATIVE REASONING — 3311**

**All Year - 1 Credit**

**Open to:** Grades 11-12

**Prerequisite:** Passing grade in Algebra I, Geometry, and teacher recommendation

**Course Fee:** None

This course is designed to promote reasoning, problem-solving, and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quality, Algebra, Functions, Statistics & Probability, and Geometry. It is a year-long course taught using student-centered pedagogy.

# Music Department - Course Description

**INSTRUMENTAL MUSIC IN THE HIGH SCHOOL:** *The program of instrumental music at Manchester High School is designed to provide the students of instrumental music with an adequate and thorough background in this area. Music should be an enjoyable experience for the students.*

## **THE MANCHESTER MARCHING BAND - 8100**

**1st Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

The Manchester Panther Marching Band begins their rehearsals in July in order to get ready for the football season. During the school year, this group practices 5 days a week and has two after school practices on Mondays and Thursdays. This group will perform for every football game, both home and away. We also participate in various band shows during the season. Majorettes and Color Guard are required to attend scheduled clinics in the spring. This is a great group to make lasting connections with your classmates.

## **CONCERT BAND - 8120**

**2nd Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

The Manchester High School Concert band is a group that performs at all formal concerts and during graduation. There is also a requirement to perform at all the home games for boys varsity basketball, with each member being required to perform at 5 games. For our formal concerts, band members will perform traditional concert band literature with the occasional popular piece. The goal of this group is to work on building our skills in musicality and rhythm. It should be noted that the group will also perform in the annual Memorial Day Parade.

## **MUSIC APPRECIATION - 8300**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

In this course, students will learn about a wide range of music. These topics will include classical music composers, opera, musicals, video game music, movie music, and world music. The goal of this course is to expose students to as many different types of music that exist. This course will primarily focus on lectures, with musical examples. However, students will be asked to discuss various aspects of music and will be given a few projects to work on during their time in class. These projects include an opera review and writing your own video game music. This course is ideal for any student who wants to be exposed to many different aspects of music.

## **MUSIC THEORY - 8310**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

The purpose of this class is to learn about the many different facets of music. We will learn the various rules and fundamentals of written music as well as working on your musical ear through various ear training activities. The goal of this course is to eventually create your own piece of music using the information you learned during this course. This is a great course for anyone who wants to better understand how music operates.

## Music Department - Course Description

**CHOIR IN THE HIGH SCHOOL:** *In Choir, students will learn valuable musical skills such as proper vocal production in a choral setting, sight reading, and how to make musical decisions while performing. These skills will be used to learn pieces for performances at various concerts and events throughout the year.*

### **MANCHESTER VOICES - 8200**

**All Year - 1 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** Possible costume fee (varies from year to year)

This is a mixed choir comprised of student in grades 9-12. The choir sings for concerts, contests, and special outings. Voicing may vary from year to year, depending on personnel.

### **THE HISTORY OF ROCK & ROLL - 8320**

**One semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

This one semester course begins with the origins of rock & roll—ragtime and jazz—and takes students on a musical journey up to the present day. Units will cover a variety of music genres like: rhythm & blues, blues, country, rockabilly, hard rock, heavy metal, punk, pop, hip hop, etc. Students will learn identifying features and characteristics of each genre, be able to identify musicians and composers, and listen to and identify instruments and singers. At the end of the semester, students will take a field trip to the Rock and Roll Hall of Fame in Cleveland to see and hear some of the history they've just studied.

# Science Department - Course Description

## **GENERAL BIOLOGY - 3700**

**All Year - 1 Credit**

**Open to:** 9th grade requirement except for students in Accelerated Biology in 9<sup>th</sup> grade

**Prerequisite:** None

**Course Fee:** None

This is a comprehensive view of biology as the study of life. The four core curriculum points are the study of cell biology, genetics, biodiversity, and evolution. Other topics include plant and animal physiology, anatomy, functions of the human body, conservation, and microbiology. These concepts are mastered through class discussion, assignments, assessments, and laboratory experiments/activities.

## **ACCELERATED BIOLOGY - 3610**

**All Year - 1 Credit**

**Open to:** Offered to select Freshman based on teacher recommendation

**Prerequisite:** None

**Course Fee:** None

This is a comprehensive view of biology as the study of life. The four core curriculum points are the study of cell biology, genetics, biodiversity, and evolution. Other topics include plant and animal physiology, anatomy, functions of the human body, conservation, and microbiology. These concepts are mastered through class discussion, assignments, assessments, and laboratory experiments/activities. This class has scheduled bi-weekly lab periods for additional time to dive deeper into the content and for more laboratory experiences. Ninth grade students are recommended on the basis of previous science achievement and abilities.

## **CHEMISTRY I - 3800**

**All Year - 1 Credit**

**Open to:** Grades 10-12

**Prerequisite:** The student must have completed CP Algebra I with a "B" average or better per semester prior to enrollment in Chemistry.

**Course Fee:** \$12.00

This course introduces students to key concepts and theories that provide a foundation for further study in other sciences as well as advanced science disciplines. Chemistry is the study of matter through the exploration of classification, its structure and its interactions. Lab investigations are used to understand and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills, and real-world applications.

## **Physical Science—3600**

**All Year - 1 Credit**

**Open to:** 10th graders not going into Chemistry

**Prerequisite:** None

**Course Fee:** None

Physical Science is an introduction to the science of chemistry and physics with some astronomy. Basic mathematics is used and enhanced. The principles of science are related to the student's environment and experiences.

# Science Department - Course Description

## ADVANCED PLACEMENT CHEMISTRY - 3820

All Year - 1 Credit

**Open to:** Grades 11-12

**Prerequisite:** Students must be recommended by their teacher and must have earned a “B” average or better per semester in both Chemistry I and CP Unified Geometry prior to enrollment in AP Chemistry. Furthermore, the student must either have already completed CP Algebra II with a “B” average or better per semester or be concurrently enrolled in CP Algebra II.

**Course Fee:** AP Exam Fee \$100.00 (subject to increase)

The A.P. Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Students in AP will work on attaining a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students’ abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The AP course differs from the general course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. AP Exam is required of all students.

## PHYSICS - 3900

All Year—1 Credit

**Open to:** Grades 11-12

**Prerequisite:** Students must have earned a “B” average or better per semester in both CP Unified Geometry and CP Algebra II prior to enrollment in Physics is recommended

**Course Fee:** None

Physics is the culmination of the students’ science and mathematics curriculum. It requires a solid understanding of both subjects. Physics covers kinematics, kinetics, impulse and momentum, work and mechanical energy, waves, and electro-magnetism. Every student who plans to pursue a college degree in either science or mathematics should take physics.

## ADVANCED PLACEMENT PHYSICS I - 3910

All Year - 1 Credit

**Open to:** Grade 12

**Prerequisite:** It is recommended that students have completed Precalculus with a “B” average or better per semester. While Chemistry and AP Chemistry are not required prior to taking AP Physics I, both are strongly recommended.

NOTE: Students do not need to take Physics before taking AP Physics I

**Course Fee:** AP Exam Fee \$100.00 (subject to increase)

The AP Physics I course is designed to be the equivalent of the first semester of an algebra-based physics course taken during the first or second year of college. Students in AP will work on attaining a depth of understanding of fundamentals and a reasonable competence in dealing with physics problems. The course will contribute to the development of the students’ abilities to think clearly and to express their ideas both orally and in writing with clarity and logic. The AP course differs from the general course in physics with respect to the kind of textbook used, the topics covered, the emphasis on physics calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. AP Exam is required of all students.

## ENVIRONMENTAL SCIENCE - 3920

All Year - 1 Credit

**Open to:** Grades 11-12

**Prerequisite:** None

**Course Fee:** None

The Environmental Science course is a study of the earth’s resources with special emphasis on human impact. The units of study will integrate the sciences (physics, chemistry, biology, etc.) and the local and global effects of using the earth’s resources.

# Social Studies Department - Course Description

## **UNITED STATES HISTORY 1877 to PRESENT - 2300**

**All Year - 1 Credit**

**Open to:** This course is required of all Freshman

**Prerequisite:** None

**Course Fee:** None

This course is designed to develop an understanding of our country's history. All topics will be discussed as to who, what, where, and when. Most of the conditions, institutions, and ideas which have shaped American's thoughts and actions will be systematically studied with an in-depth approach. The course will cover the gradual changes in our federal republic and the rise of the United States as a world power. The basic purpose of the course is to enable college oriented students to develop a better understanding and knowledge of America's history.

Upon completion of the course, a student should (on the basis of accumulated knowledge and rational thinking) be able to demonstrate an awareness and understanding of the "who, what, where, when, and why" of United States History.

There will be several projects that must be completed before course requirements are met.

## **WORLD HISTORY - 2100**

**All Year - 1 Credit**

**Open to:** This course is required of all Sophomores

**Prerequisite:** None

**Course Fee:** None

This course is designed to enable the youth of our community to understand and to value their heritage as human beings, as members of a world society, and as citizens of the United States. The basic goals are to develop citizenship and a feeling of empathy for mankind, and to provide the skills to solve both personal and social problems with rational methods. These goals are attained through a study of significant events in world history from 1750 to the present.

Among the appreciations, attitudes, and understandings to be advanced and developed through the social studies program are the following:

- To appreciate the contributions of the past
- To provide some perspective for looking at modern society
- To understand the interdependence of people
- To understand the influence of the past on our present life
- To develop well-informed patriotism
- To understand the concept of "change"
- To develop a sense of time
- To foster creative thinking
- To see the motives behind the policies and actions of governments
- To understand the magnitude of changes in the world during the last few years and to stress democratic values in their changing world

## **PRINCIPLES OF DEMOCRACY - 2400**

**All Year—1 Credit**

**Open to:** This course is required of all Seniors

**Prerequisite:** None

**Course Fee:** None

This course is designed to investigate the nature of the American Governmental System and the political process. The Executive, Legislative, and Judicial branches of government are studied within their constitutional framework, to understand that government today is an all-pervading social force. Students are confronted with current problems that face our republic so that they will be aware of the complexity of life within our nation and state. Students will be prepared to be engaged in the political process and to help offer solutions to these problems post-graduation.

There will be several projects that must be completed before course requirements are met.

# Social Studies Department - Course Description

## **CURRENT ISSUES - 2420**

**One Semester - 1/2 Credit**

**Open to:** Grades 11-12

**Prerequisite:** None

**Course Fee:** None

This course provides instruction to assist students in analyzing and deliberating on current issues. An important facet of the course is the planning and scheduling of a public issues forum. Through preparation for their public forum, students are able to gain an understanding of the inner workings of democracy.

## **APPLIED ECONOMICS - 2500**

**One Semester - 1/2 Credit**

**Open to:** Grades 11-12

**Prerequisite:** None

**Course Fee:** None

This course is designed to cover both microeconomics and macroeconomics. Students will learn to use economic reasoning skills and knowledge of major economic concepts, issues and systems in order to make informed choices as producers, consumers, savers, investors, workers and citizens in an independent world. At the microeconomic level, emphasis will be placed on the principles of economics, the forces of supply and demand, and economics in the public sector. At the macroeconomic level, emphasis will be placed on measuring and improving economic performance, and analyzing the effects of international trade on the global economy.

## **GLOBAL STUDIES - 2600**

**One Semester - 1/2 Credit**

**Open to:** Grades 11-12

**Prerequisite:** None

**Course Fee:** None

This course is designed to help prepare our students to become citizens of the world who can imagine creative solutions to today's challenges. The twenty-first century has transformed how people live, work, and think. More than ever before, interactions between cultures transform our ideas, values, our technology, and our way of life. Students will have an opportunity to study countries and regions of the world with a better understanding of the connections of the geography, political, government structure, economic development, social and cultural heritage, environmental concerns, energy resources and allocations, human rights and the sustainable and transitional relationship with the United States and other political units.

## **PERSONAL FINANCE - 2700**

**One Semester - 1/2 Credit**

**Open to:** Required for graduation

**Prerequisite:** None

**Course Fee:** None

The course is designed to help students understand the overall role finances play in their daily personal life for their personal well-being. The students will explore their role as a wage earner, taxpayer, and the many types of consumers they will be in our mixed market economy. The course will provide students with information that can be used to develop analytical skills to prepare for financial decision-making. Students will be able to apply financial principles to demonstrate sound, practical decision-making in personal financial situations.

# Social Studies Department - Course Description

## **Sociology - 2800**

**One Semester - 1/2 Credit**

**Open to:** Grades 11-12

**Prerequisite:** None

**Course Fee:** None

Introduction to Sociology students will study human relationships in society and will form an understanding of our cultural and social structures. This will include examining similarities and differences between cultures and within cultures. Students will explore topics and social issues that deal with the individual in society, social inequality and our continuously changing social world.

## **Introduction to Psychology - 3750 (CCP Course)**

**One Semester - 1 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** None

Introduction to scientific study of behavior, survey of physiological basis of behavior, sensation and perception, development, learning and cognition, personality, social interaction and other selected topics. This is a distance learning course through the University of Akron.

# Technology Department - Course Description

## **INTRO TO TECHNOLOGY - 9640**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** None

**Course Fee:** \$6.00

This course is intended to give students a strong base of technological tools and skills that can be applied across the curriculum and in their lives. This course is recommended for all students to take and is a prerequisite for other computer courses. Students will explore: digital citizenship, social media platforms, web design, graphics software, 3D printing, virtual reality, CAD, QR codes, augmented reality, audio & video editing, file management & organization.

## **COMPUTER PROGRAMMING I - 9650**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** Algebra I

**Course Fee:** \$6.00

This course will introduce students to computer programming. The course teaches the foundational concepts of programming using the Python programming language. Students may also practice coding using robots, arduino, drones, raspberry pi, and micro controllers.

## **COMPUTER PROGRAMMING II - 9652**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** Computer Programming I

**Course Fee:** \$6.00

This course is a continuation of Computer Programming 1 and will pick up where that course left off. Students may choose to explore other programming languages and practice coding using robots, arduino, drones, raspberry pi, and micro controllers.

## **DIGITAL MEDIA ARTS I - 9660**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** Intro to Technology

**Course Fee:** \$6.00

Digital Media Arts I is intended for high school level students to gain an understanding of digital print and online media. Students will learn the principal skills and concepts of digital photography, graphic design, web-design, video editing, and digital integration with visual imagery. Students will use programs such as Adobe Illustrator, Adobe Photoshop, iMovie, Adobe Premiere, Google Sites, and Google Slides.

## **DIGITAL MEDIA ARTS II - 9661**

**One Semester - 1/2 Credit**

**Open to:** Grades 9-12

**Prerequisite:** Digital Media Arts I

**Course Fee:** \$6.00

This course is designed to extend students knowledge on the topics covered in Multimedia I. Students will use programs such as Prezi, Adobe Illustrator, Adobe Photoshop, Dreamweaver, Garage Band, Flash, and iMovie to create presentations, graphics, web pages, Musical compositions, animations, and videos.

## Additional Courses - Course Description

### **CAREER-BASED INTERVENTION (C.B.I.) - 9680/9681**

**All Year - 3 Credits**

**Open to:** Grades 10-12

**Prerequisite:** 10th Grade or 16 years of age

**Course Fee:** None

The Career-Based Intervention (CBI) program is a Career-Technical Program designed to help students receive work experience in a place of employment while learning occupational adjustment and job-related instruction in school. Students must qualify to be considered for the program. The main goal of CBI is to develop, through work experience, the necessary attitudes, skills, and abilities which will enable the student to become gainfully employed.

Credit for C.B.I. may be earned as follows:

- 1 ½ credits/year for satisfactory classroom performance.
- 1 ½ credits/year for satisfactory work experience.
- TOTAL: 3 credits/year – To be completed simultaneously.

### **YEARBOOK - 9690**

**All Year - 1 Credit**

**Open to:** Grades 10-12

**Prerequisite:** Students must apply and be approved by instructor — Ad sales amount to be determined yearly

**Course Fee:** None

The purpose is to identify the functions of a yearbook, examine a brief history of the form, recognize the changing trends, produce a memory book or a history of the year. Educational training experiences will evolve with writing copy, effective digital photography, calculating typography, layout, design, procedures for selling and advertising, critical analysis, and organization skills. This course also involves the use of desktop publishing.

## Additional Courses - Course Description

**F.O.C.U.S. - 9670 (Finding Opportunities, Career Understanding, and Success)      One Semester - 1/2 Credit**

**Open to:** Grades 11-12

**Prerequisite:** None

**Course Fee:** None

This course helps students build the skills needed for success in school and plan for life after graduation. Students will explore career readiness by developing or continuing a personalized career portfolio aligned with their goals for college enrollment, military enlistment, or employment. The course includes opportunities such as guest speakers, job shadowing, workplace visits, and engagement with college partners. Students will also receive support toward earning the Ohio Means Jobs Readiness Seal.

## Additional Programs

In addition to the traditional courses and pathways toward graduation, students have several options to enhance their high school experience. It is very important to consider the student's strengths and long-term goals when looking at College Credit Plus, Credit Flex and online curriculum. Each has its pros and cons, but the most important factor is that it's a good match for the student in terms of academic needs, learning styles, independence, and areas of interest.

### **COLLEGE CREDIT PLUS PROGRAM**

Ohio's College Credit Plus (CCP) Program allows students in grades 7 through 12 to earn both high school and college credits by enrolling in college courses. The program aims to promote rigorous academic pursuits and provide a variety of options for college-ready students. Each participating college or university sets its own admission criteria. Students must contact their school counselors by submitting the "CCP Letter of Intent & Student/Parent Acknowledgement Form" on the district website by April 1 for enrollment in the upcoming school year. An annual CCP information night is held in January to provide further details for parents and students.

Please read over the information below and visit our district website for more information on the expectations and policies of CCP students, CCP participation instructions/process, and the CCP grading policy.

1. Program eligibility – students in grades 7-12 who apply for and are accepted into a college are eligible to receive a maximum of 30 college level credit hours per academic year (courses taken at the high school will deduct from the total amount of college credits a student is eligible to receive). The first term of the academic year is the Summer term.
2. If a student fails, does not complete, or withdraws from a course after the 14th calendar day the particular course began for traditional 16 week courses (or per the college/university's official drop date policy for accelerated classes), the student/family may be asked to reimburse the district for tuition, fees, and book costs for the course. Failure in a course will deduct from the 30 allowable credit hours per academic year.
3. Poor performance may result with the student being placed on academic probation and restricted from taking further classes.
4. Some courses will have their course grade weighted on the high school transcript and therefore will have a greater impact on a student's GPA. Please see the MHS Curriculum Guide regarding the district's CCP grading policy.
5. Transportation to/from College Credit Plus courses and technology needed for online courses are the student's responsibility.

Note: Not all technology used in CCP is compatible with Manchester Local Schools' Chromebook devices. Students may need a personal device, such as a personal computer, iPad, etc. to participate in CCP courses.

6. It is the student's responsibility to ensure that all course textbooks are returned to the college by the end of final exam week. Missing or damaged materials may result in a fine.
7. All requirements for high school graduation must still be met for a diploma to be earned. Scheduling responsibilities lie with the student. Scheduling difficulties may arise due to the timing of high school courses and college courses.
8. College calendars often vary from high school calendars and may result in different start and end dates, exam dates, and possible conflicts. It is the responsibility of the student to provide advance notice of any conflict between the college's exam schedule and the high school's to the student's teacher and counselor.
9. As a result of not being in the high school setting full-time, some pertinent information regarding deadlines, upcoming events, etc. may be missed and it is the responsibility of students to ensure they receive this information.
10. Student athletes are required to meet OHSAA athletic eligibility requirements, regardless of where the classes are taking place.

## **CREDIT FLEXIBILITY**

Manchester High School students have the opportunity to earn high school credit based on demonstration of subject matter competency. Through a program entitled Credit Flexibility, students are able to obtain high school credits through various non-traditional means such as:

- Online courses
- Course test out options
- Personal Learning Plans (such as: independent study, internships or community programs)

The deadline for applications is December 1, 2026. For more information on Credit Flexibility, please talk with your school counselor about the process and how it works.

# Manchester High School

## Athletic Programs, Clubs & Activities

Over 80% of our high school students are involved in a sport, club or extracurricular activity.

### ATHLETIC PROGRAMS

Fall:	Cheerleading	Winter:	Basketball
	Cross Country		Cheerleading
	Football		Wrestling
	Golf		
	Soccer	Spring:	Baseball
	Tennis (Girls)		Softball
	Volleyball		Tennis (Boys)
			Track & Field

### CLUBS AND ACTIVITIES

Art Club	Mock Trial
BBQ Club	National Honor Society
Book Club	Pep Band
Chemistry Club	Quiz Bowl (Academic Challenge)
Concert Band	Science Club
Drama Club (Fall Play / Spring Musical)	Ski Club
Flag Drill Team	Spanish Club
French Club	Student Council
Key Club	WSFM (We Speak for Manchester)
Manchester Voices	Yearbook
Marching Band	

### **Manchester Chapter of the National Honor Society:**

The purpose of the National Honor Society organization shall be to create enthusiasm for scholarship, to stimulate a desire to render service, to promote leadership, and to develop character in the students of secondary schools. Membership in the local chapter is an honor bestowed upon a student. Selection for membership is by a faculty council and is based on outstanding scholarship, service, leadership, and character. Once selected, members have the responsibility to continue to demonstrate these qualities.

The Manchester High School Chapter of the National Honor Society requires a student to be at least a junior with a cumulative GPA of 3.700. In addition to the 3.700 GPA, the student must complete **six service hours** by the start of the school year that they are applying for NHS membership. These six service hours can start accumulating the summer before freshman year. A paper with signatures, dates of service, and a summary of the type of service totaling six hours will need to be provided with the NHS application for membership to be considered for that school year. Induction into the Manchester Chapter of the National Honor Society is once a year in the fall.



# Why take Advance Placement (AP) Courses?

## *Advice from fellow Manchester High School Graduates*

1. **CHALLENGE**: Challenging yourself promotes personal growth which can be fun and rewarding.

“Manchester's AP classes taught me that challenges bring growth and that there is no shame in asking questions or making mistakes, so long as you learn from them. These lessons prepared me to succeed in my further studies in the US and in Scotland!” Colleen Wilson '15 - Library and Museum Science Masters Student at Kent State: AP English Language & Composition, AP Literature & Composition, AP Chemistry, AP Calculus

“Taking AP classes was a challenge in high school, but it prepared me for classes in college. A couple of classes were a breeze because of my knowledge I gained from taking AP courses. When it came to harder classes in college, the study habits and hard work I put into AP courses were utilized when I had to give a class my all.”  
Olivia Mattioli '17 - Nursing student: AP Calculus, AP Chemistry

2. **CONFIDENCE**: Building confidence for college early could create a smooth transition from high school.

“AP classes provided me with the confidence and mentorship to succeed in higher education. The teachers had high expectations but ensured success through individualized teaching sessions, expertise, and a clear passion for teaching. I was fully prepared for undergraduate classes as a result.” Megan Elavsky '09: AP English Language & Composition, AP Literature & Composition, AP Chemistry, AP Calculus

“AP classes helped to challenge me beyond what I thought I was capable of, increasing my confidence and desire to learn.”  
Stacey Forte '11 - MS Math Teacher: AP English Language & Composition, AP Chemistry, AP Calculus

“Taking AP classes not only saved me time and money in college, but they also gave me the skills I would later find out were incredibly valuable. While some subjects came easily to me, AP courses were the most impactful courses for me because it forced me to learn how to ask for help, drove me to establish study skills and instilled the diligence to show up to get extra assistance.” Shannon Bigler '11 - Social Worker/Child Therapist: AP English Language & Composition, AP Chemistry, AP Literature & Composition, AP Calculus

# Why take Advance Placement (AP) Courses?

## Advice from fellow Manchester High School Graduates

3. **CREDIBILITY**: Stand out amongst other applicants by being experienced with college-level courses.

“AP classes changed my life and sent me in the direction I was headed with a fuller view. I went on to be the first person in my family to graduate from college, let alone law school, and I respect science in a way I never could have without AP Chem. Erica Pruitt Voorhees '98 - Magistrate, Summit County Court of Common Pleas: AP English Language & Composition, AP Chemistry

“By taking AP classes, you set yourself apart from your peers and lay the foundation to succeed in the future. Challenge yourself; it's actually fun, Take the classes! Your future self will thank you.” Maria Knaus, MD '12 - Surgeon: AP English Language & Composition, AP Literature & Composition, AP Calculus, AP Chemistry

4. **CREDITS**: Earning college credits through AP courses can jump start your path to obtaining that degree.

“AP courses helped prepare me for undergraduate level course work. It gave me the confidence to transition from a small high school like Manchester to a big university like Ohio State. It also gave me more than half a year of credit hours to start out college! This got me access to better class schedules and helped me to finish my bachelors early and earn a minor.” Kimberly Shookman, MD '07 - Pediatrician at Akron Children's and NEOMED Associate Professor: AP English Language & Composition, AP Chemistry, AP Literature & Composition, AP Calculus

“The AP classes I took let me test out of several college courses. This made it so I didn't have to take classes during the summer, unlike other students in my program. AP chemistry and calculus in particular made their respective college courses substantially easier.” Ben Pontefract '10 - Assistant Professor of Pharmacy Practice at Ferris State University and Pharmacist at Spectrum Health: AP English Language & Composition, AP Chemistry, AP Calculus

5. **CURRENCY**: College credits and the AP exams taken in high school could help reduce college tuition costs.

“With only two classes, my AP Chemistry and AP Calculus credits allowed me to get ahead in my engineering classes enough to graduate a semester early. I saved about \$10,000 in tuition and expenses with two AP exam fees. Even with extra classes, I would not have fulfilled enough prerequisites without them. AP classes aren't only about the credits-- sometimes they are about the pre-requisites and opening doors early.” Danielle Shaffer '11 – Engineer: AP English Language & Composition, AP Chemistry, AP Calculus

“My AP classes provided me with almost a full year of college credits. Those credits allowed me the flexibility in my schedule to take more advanced classes early in my college career that aligned with needed tests to secure an internship after my second year. This internship eventually provided me my first full-time job in my dream career.” Sarah Hercules '14 - Actuary: AP English Language & Composition, AP Literature & Composition, AP Calculus, AP Chemistry

# Manchester High School Graduation Requirements for Portage Lakes Career Center - Two Year Programs

A total of **21 credits** to include the following:

**English .....	4 Credits
**Mathematics .....	4 Credits
(Must include Algebra II or equivalent of Algebra II)	
**Science .....	3 Credits
- Life Science (General or Accelerated Biology)	
- Physical Science (Physical Science, Chemistry or Physics)	
- Advanced Study	
**Social Studies .....	3 Credits
- U.S. History	
- World History	
- Principles of Democracy	
Basic Communication Skills .....	1/2 Credit
Vocational Program .....	Half Day - 6 credits Full Day - 8 credits
Personal Finance.....	1/2 Credit
Health .....	1/2 Credit
Physical Education (2 semesters) or P.E. Waiver .....	1 Credit
Electives* .....	Remainder of credits
*One (1) Credit of Elective must be in <b>one</b> of the following areas:	
- Business	
- Family & Consumer Science	
- Fine Arts	
- Foreign Language	
- Technology	

\*\*Two (2) credits should be taken during the 9th & 10th grades while at Manchester.

Students must also complete Ohio Competency and Readiness requirements listed on page 4-5.

# Portage Lakes Career Center Admission Requirements

## ADMISSION

Admission to the Portage Lakes Career Center is open to all students within the Coventry, Green, Manchester, and Springfield Local School Districts, who have completed the tenth grade. Students who are enrolled at one of the participating school districts will be accepted at the Career Center on a tuition-free basis.

## ADMISSION REQUIREMENTS

1. For **two-year** programs, a student must be sixteen years of age or older by January 1st of the school year in which he or she begins.
2. Requirements for **two-year** programs:
  - A student must have completed the tenth grade
  - A student must have earned eight units of high school credits for full-time enrollment. However, Manchester recommends that students complete the following 10 ½ credits:
    - 2 Credits of English                      - ½ Credit of Health
    - 2 Credits of Mathematics           - 1 Credit of Physical Education
    - 2 Credits of Science                   - ½ Credit of Career Exploration or Personal Finance
    - 2 Credits of Social Studies       - ½ Credit of Basic Communication Skills

It is possible to attend the Portage Lakes Career Center if a student has credit deficiencies, but these situations are evaluated on a case-by-case basis. A high school diploma can **only** be granted when the student meets all of the criteria for graduation from Manchester High School.

## PART-TIME ATTENDANCE

It is also possible to attend the PLCC to complete the lab portion only of any program. Academic courses could then be completed at Manchester during the other half of the day. Transportation between the two facilities would be provided. Manchester and the PLCC may have a different school calendar. Students attending the PLCC half day are required to be in attendance at Manchester and/or the PLCC every day that each school is in session.

# Portage Lakes Career Center Admission Procedures

## ADMISSION PROCEDURES

- A. All Manchester students who demonstrate the ability and interest to attend the Portage Lakes Career Center are encouraged to submit an “Application for Admission” to the school.
- B. Applications for admission can be submitted to the home school counselors’ office.
- C. The Student’s Responsibilities:
  - 1. Each student desiring to attend the Career Center should ask their participating school counselor for an application form.
  - 2. Each student should return their completed Application for Admission to their participating school counselor.
- D. Applications received by March 15 from students meeting the admission requirements will be considered for selection.

Applications received after March 15 will be considered a late application and will be processed as follows:

- 1. Placed into the program if there is an opening.
  - 2. Placed on the waiting list for programs that have been filed.
  - 3. Considered for placement until the second Friday after the opening day at the Career Center.
- E. After submitting an application, if a student decides not to attend the Portage Lakes Career Center, it is necessary for them to officially withdraw their application.



## Portage Lakes | Career Center

### PORTAGE LAKES CAREER CENTER

Portage Lakes Career Center (PLCC) will serve as an extension of Green, Coventry, Manchester and Springfield High Schools. Students electing to attend the Career Center will graduate & receive their diploma from the High School of the district that they reside in. Students can attend the Career Center and still participate in band, athletics, and other extracurricular clubs and activities at their home high school. Bus transportation will be provided to and from the Career Center from the high school. Students who wish to attend Portage Lakes Career Center for a full day (academics and program) must have 8 credits. They must have 6 credits for half a day (program only.)

### PLCC CAREER & TECHNICAL PROGRAMS

#### ARTS AND COMMUNICATIONS CAREER PATH

##### **Design, Communication & Marketing (DCM) 3 credits/year**

Prerequisite: Junior status

This program offers students the opportunity to develop the knowledge, skills, and competencies needed to pursue a career and become a successful Visual Communication. If you're more interested in building brands, creating marketing campaigns, and designing materials that persuade and communicate messages across different platforms, Design, Communication & Marketing could be ideal. This program focuses more on graphic design, photography, and strategic marketing thinking. *Students can potentially earn a number of Adobe certifications as well as college credits in this program.*

#### INFORMATION TECHNOLOGY CAREER PATH

##### **Digital Media Technology (DMT) 3 credits/year**

Prerequisite: Junior status

If you're drawn to storytelling through video, love working with audio and sound, and want to create content like YouTube videos, podcasts, or films, Digital Media Technologies might be your fit. It emphasizes motion graphics, video production, and audio engineering. *Students can potentially earn a number of Adobe certifications as well as college credits in this program.*

#### HEALTH SCIENCE CAREER PATH

##### **Pre Nursing (PREN) 3 credits/year**

Prerequisite: Junior status

The Pre Nursing program offers the perfect starting point for a student who is planning a career in health occupations. Students in this program will be eligible to participate in state testing to be recognized as a State Tested Nurse Aide. Pre Nursing students will receive training in current health care concepts and processes and health care equipment. *Students can potentially earn their STNA certification as well as college credits in this program.*

**Medical Technician (MT)****3 credits/year**

Prerequisite: Junior status

The Medical Technician program is a good fit for students who are interested in a career in the healthcare field but not necessarily full, direct patient care. This hands-on, career-focused program explores key areas such as medical terminology, nutrition, and wellness, drug interactions, pharmacology, and health information systems. This diverse experience will prepare students for several different exciting fields including working in doctor or dentist offices, working in pharmacies, or pursuing a path as a healthcare technician in a variety of areas. *Students can potentially earn their Pharmacy Technician certification as well as college credits in this program.*

**Sports Medicine (SMED)****3 credits/year**

Prerequisite: Junior status

The Sports Medicine program focuses on the basic concepts of strength training techniques, muscle and cardiovascular endurance, athletic injuries and prevention, athletic taping and bracing and sports nutrition/wellness. Students who complete this two-year program will be trained for employment such as rehabilitation care assistants, handicapped care assistants, and physical fitness employees in health clubs. Additionally, many students opt to continue in four-year programs for Athletic Training, Exercise Physiology, Pre-medicine, and Physical Therapy. *Students can potentially earn their AMCA Physical Therapy Aide certification as well as college credits in this program.*

**Dental Assisting (DA)****3 credits/year**

Prerequisite: Junior status

The Dental Assisting program is a great fit for students interested in a career in dental healthcare. A dental assistant plays a crucial role in supporting dentists and ensuring the dental office runs smoothly. Students will learn things like; preparing treatment rooms and sterilizing instruments, how to assist during dental exams, taking x-rays and impressions, educating patients on oral hygiene, and maintaining patient records. *Students can potentially earn their Ohio Certified Dental Assistant and Dental Assistant Radiographer's certifications as well as earn college credits in this program.*

**HUMAN SERVICES CAREER PATH****Cosmetology (COS)****3 credits/year**

Prerequisite: Junior status

Upon completion of this two-year program, students will be eligible to take the State of Ohio licensing examination for cosmetology, which includes hair, skin and nails. Toward the end of the junior year, students can actually work on patrons in the cosmetology salon. Students are involved with all the current services offered in today's salons. *Students can potentially earn their Ohio State Cosmetology & Barber Board License as well as college credits in this program.*

**HOSPITALITY & TOURISM CAREER PATH****Culinary Arts (CA)****3 credits/year**

Prerequisite: Junior status

Students in the Culinary Arts program get the unique opportunity to train in a culinary institute environment. Prepare, present and serve food to the public while learning all aspects of the food service industry. Gain practical experience planning menus and meals and operating The Neon Lime, our student run restaurant that is open to the public. Students are encouraged to further their training at the post-secondary level. *Students can potentially earn their ServSafe Food Handler's or Managers License and ProStart Certificate of Achievement as well as college credits in this program.*

## LAW & PUBLIC SAFETY CAREER PATH

### **Fire Academy (FIRE)**

**3 credits/year**

Prerequisite: Junior status

Students in this program will learn the academics, physical skills, and employability skills to better prepare them for a career in firefighting as well as entry level EMS skills. Students will be instructed in fire behavior, building construction, search and rescue, hose and fire streams, ground ladders, handling and care of physical evidence, first aid and CPR, EMT basic skills, medical emergencies, trauma and advanced airway management. This program is in partnership with Stark State College's Emergency Services program giving students the enhanced experience and opportunity to train on fire and medical equipment at both PLCC and the Stark State campus. *Students can potentially earn their Firefighter I & II, EMT Basic, 9-1-1 Basic, and NIMS certifications as well as college credits in this program.*

### **Law & Criminal Justice (LCJ)**

**3 credits/year**

Prerequisite: Junior status

The Law & Criminal Justice program at Portage Lakes Career Center is committed to providing students with the quality education and training needed to perform effectively in a wide variety of career positions within the criminal justice and legal fields. Training will focus on the knowledge and enforcement of the law and the protection of life and property in both the public and private sectors. Law & Criminal Justice students need to be honest, respectful, caring, have good judgment, and be physically fit. They should also be able to work in a team environment with minimal supervision. All students in this program must successfully pass a drug screen. *Students can potentially earn their NIMS, Taser, ASP Baton, OC Pepper Spray, and 9-1-1 Basic certifications as well as college credits in this program.*

## TRANSPORTATION SYSTEMS CAREER PATH

### **Automotive Technology (AUTO)**

**3 credits/year**

Prerequisite: Junior status

In the Automotive Technology program, students gain knowledge and experience in the challenging field of automotive service and repair. This is an Automotive Service Excellence (ASE) nationally certified program, where students learn mechanical service repair and diagnostics on cars and light trucks. Practical experience is gained in the areas of brakes, electrical, steering, and suspension systems and engine performance. *Students can potentially earn their ASE, Automotive Lift Institute, and SP2 certifications as well as college credits in this program.*

## CONSTRUCTION TECHNOLOGIES CAREER PATH

### **Building Trades (BT)**

**3 credits/year**

Prerequisite: Junior status

This program provides organized learning experiences in the classroom and lab in blueprint reading, carpentry, masonry, residential electrical wiring, plumbing, drywall, roofing, siding, ceramic tile, painting and minor repairs. Students will be instructed in the correct and safe use of power tool operation and construction procedures. This program will prepare students for a professional career in construction, property management, and the remodeling industry. *Students can potentially earn their OSHA 10, Fork-lift, Man-lift, Aerial Work Platform, and 3M Protection certifications as well as college credits in this program.*

**Electrical Technology (ELE)****3 credits/year**

Prerequisite: Junior status

The skills developed and the knowledge gained in this program will enable a student to be employed as an electrician apprentice (construction & industrial), factory maintenance worker or electrical assembler. Students in PLCC's Electrical Trades program will learn to install, service, maintain and troubleshoot residential, commercial and industrial wiring systems. *Students can potentially earn their OSHA 10, Fork-lift, Man-lift, Aerial Work Platform, and 3M Protection certifications as well as the Ohio State Apprenticeship Council Pre-Apprenticeship Program Certificate of Completion.*

**Heating, Ventilation, & Air Conditioning (HVAC)****3 credits/year**

Prerequisite: Junior status

This program will prepare students for careers in residential, commercial and industrial climate control systems. Students in HVACR will learn how to design, install, maintain, and repair the equipment used to provide environmental indoor air quality in homes and buildings. *Students can potentially earn their EPA Core + Levels 1-3 EPA Universal, OSHA 10, Fork-lift, Man-lift, Aerial Work Platform, and 3M Protection certifications.*

**ENGINEERING & MANUFACTURING CAREER PATH****ManuWeld (MW)****3 credits/year**

Prerequisite: Junior status

In the ManuWeld program students engage in the design, prototyping and manufacturing of products & devices that drive modern life. We prepare students to enter a number of professional fields including engineering, drafting, CNC machining, welding, product design, manufacturing and more. As a NIMS accredited school, students can expect to be learning a variety of skills making them an incredibly versatile employee with the skills needed to succeed in modern industry. *Students can potentially earn their AutoCAD User, FANUC-Handling Tool Operation & Programming, OSHA 10, Solid Works Associate, American Welding Society - Welding Qualification, and NIMS certifications as well as college credits in this program.*

**MANUFACTURING CAREER PATH****Welding (WELD)****3 credits/year**

Prerequisite: Junior status

Specialized classroom and shop experiences teach students in this program all types of metal welding, brazing and flame cutting. Students will learn the properties of metals, blueprint reading, electrical principles, welding symbols and mechanical drawing work. These skills can be used to become a fabricator welder, construction welder, repair welder, blueprint reader, and machine operator. *Students can potentially earn their American Welding Society Certified Welder, OSHA 10, and 3M Protection certifications as well as college credits in this program.*

**Automation & Electronics (AE)****3 credits/year**

Prerequisite: Junior status

Students in this program will learn about all technical aspects of production including how to troubleshoot and fix mechanical problems commonly encountered in the manufacturing process. Students will focus on motors, electronics and electrical systems including AC and DC circuits, hydraulic and pneumatic systems, and understanding automation of electromechanical processes. Industry 4.0 curriculum and obtaining SACA (Smart Automation Certification Alliance) credentials are key components of this program and students can go on to work as critical employees of any production-related industry. If you enjoy understanding how things work and taking apart things to

fix them, this might be a good fit for you. *Students can potentially earn their Smart Automation Certification Alliance (SACA): Certified Industry 4.0 Associate I - Basic Operations Certified Industry 4.0 Associate II - Advanced Operations Certified Industry 4.0 Automation Systems Specialist - Electric Motor Control Systems Certified Industry 4.0 Automation Systems Specialist - Electrical Systems, NIMS: Measurement, Materials & Safety OSHA 10 certifications as well as college credits in this program.*