Course Catalog

2017 - 2018
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<tr>
<td>Principles of Nutrition and Wellness</td>
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</table>
GRADUATION REQUIREMENTS

Upon graduation from high school, diplomas will be awarded at public commencement exercises. A student graduates and receives his/her diploma with the class graduating whenever the requirements for graduation have been completed.

To graduate from Minerva High School, a student must successfully complete all required State testing assessments and earn a minimum of 21 Carnegie Units of in-class instruction. To graduate a student will be required to successfully complete:

- Modern World History 1 Unit
- American History 1 Unit
- Am.Govt./Econ./Per.Fin. 1 Unit
- English 4 Units
- Mathematics 4 Units
- Science 3 Units
- Health Education 1/2 Unit
- Physical Education 1/2 Unit
- Fine Art 1 Unit
- Electives 5 Units

Students finishing their high school education at R. G. Drage Career Technical Center are required to successfully complete all State required assessments and earn the following 21 Carnegie Units:

- Modern World History 1 Unit
- American History 1 Unit
- Am.Govt./Econ./Per.Fin. 1 Unit
- English 4 Units
- Mathematics 4 Units
- Science 3 Unit
- Health Education 1/2 Unit
- Physical Education 1/2 Unit
- Electives 6 Units

Students must earn a minimum of 7 credits (4 credits must be core courses) to attend R.G. Drage Career Technical Center. Students may enter the vocational school from Minerva High School if there is a deficiency in any area of required courses provided a make up plan has been developed and is on file with the school counselor. STUDENTS SIGNING-UP TO ATTEND R.G. DRAGE MUST ATTEND DRAGE THE FIRST FIVE DAYS OF SCHOOL BEFORE ANY SCHEDULE CHANGE WILL BE MADE.
END OF THE YEAR ASSESSMENTS

All students graduating in 2018 and beyond are required to earn a minimum of twenty-one (21) credits and meet one of the following three assessment requirements:

1. Students must earn a minimum of eighteen (18) points by taking seven end-of-course State tests. These exams will replace the OGT as the required State assessments. Students must earn a minimum of four points in math, four points in English and six points across science and social studies. Scores will range from one to five points per test. The seven end of the year tests will be in: English I, English II, Algebra I, Geometry, American History, American Government, and Biology. Students taking Advanced Placement (AP) US History may substitute their AP exam score for the end-of-course exam to avoid double testing. Students may also substitute College Credit Plus grades in Biology, American History or American Government for end-of-course exams.

2. Students must earn twelve (12) points through the State Board of Education approved industry-recognized credential or group or credentials in a single career field. Students also must achieve a workforce readiness score on the WorkKeys assessment.

3. Student must earn remediation-free scores in English language arts and mathematics on a national recognized college entrance exam.
## HONORS DIPLOMA

**Comparison of Diplomas with Honors Criteria**

*Students need to fulfill all but one of the applicable criteria for the Diploma with Honors.*

<table>
<thead>
<tr>
<th>Subject</th>
<th>International Baccalaureate Diploma with Honors for Classes of 2012 and Beyond ***</th>
<th>Academic Diploma with Honors for Classes 2011 and Beyond</th>
<th>Career-Technical Diploma with Honors for Classes 2012 and Beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 units, plus the two required International Baccalaureate essays</td>
<td>4 units</td>
<td>4 units</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content</td>
<td>4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content</td>
<td>4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content</td>
</tr>
<tr>
<td>Science</td>
<td>4 units including biology, chemistry and at least one additional advanced science ****</td>
<td>4 units, including physics and chemistry</td>
<td>4 units, including two units of advanced science ****</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4 units</td>
<td>4 units</td>
<td>4 units</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 units minimum, including at least 2 units in each language studied</td>
<td>3 units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages</td>
<td>N/A</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1 unit</td>
<td>1 unit</td>
<td>N/A</td>
</tr>
<tr>
<td>Electives</td>
<td>N/A</td>
<td>N/A</td>
<td>4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit</td>
</tr>
<tr>
<td>Grade Point Average</td>
<td>3.5 on a 4.0 scale</td>
<td>3.5 on a 4.0 scale</td>
<td>3.5 on a 4.0 scale</td>
</tr>
<tr>
<td>ACT/SAT Score (excluding scores from the writing sections)*</td>
<td>27 ACT / 1210 SAT</td>
<td>27 ACT / 1210 SAT</td>
<td>27 ACT / 1210 SAT</td>
</tr>
<tr>
<td>Additional Assessment</td>
<td>Must complete criterion-referenced assessments in a minimum of six academic disciplines</td>
<td>N/A</td>
<td>Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent</td>
</tr>
</tbody>
</table>

Diploma with Honors requirements pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including:

- ½ unit physical education**
- ½ unit health
- ½ unit in American history
- ½ unit in government

* Writing sections of either standardized test should not be included in the calculation of this score.

** SB 311 allows school districts to adopt a policy exempting students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or two years of JROTC from the physical education requirement.

*** The International Baccalaureate track to the Honors Diploma requires full completion of all requirements for an IB Diploma Programme including the Theory of Knowledge Course in meta-cognition, the Extended Essay project and the 150 hour Creativity, Action and Service (Service-Learning) requirement. Note: The International Baccalaureate Certificate Program does not qualify for this track to the Diploma with Honors.

**** Advanced science refers to courses in the Ohio Core that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with the new high school syllabi, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy), or contain material above the current OGT level.
OHSAA ATHLETIC ELIGIBILITY

The student athlete must have passed courses equaling 5 units of credit in the preceding NINE WEEK GRADING PERIOD to be eligible for participation in an athletic program. Summer school does not count in the calculation.

RECOMMENDED COLLEGE ADMISSIONS STANDARDS

In 1981, the Ohio Board of Regents and the State Board of Education jointly appointed a 15 member Advisory Commission on Articulation between Secondary Education and Ohio Colleges. As a result of their efforts, their recommendations are as follows: *****It is important to note that these are the minimum requirements.

1. 4 Units of English
2. 4 Units of Mathematics (college prep. math)
3. 3 Units of Science (college prep. science)
4. 3 Units of Social Studies
5. 2 Units of the same Foreign Language
6. 1 Unit of Visual or Performing Arts

GRADE CLASSIFICATION

Student classification will be determined by the total number of classroom hours satisfactorily completed with the requirements being:

Sophomore 5 Units
Junior 10 Units
Senior 13 Units

STUDENT CLASS LOAD

No student will be scheduled for less than five (5) subjects per semester. It is strongly recommended that all students enroll in six academic classes per year in order to acquire 21 Carnegie Units for graduation.

COLLEGE CREDIT PLUS

Students entering 7th thru 12th grade and qualify for college admission may opt to enroll at a local college or university. Courses are taken for both high school and college credit. If the student takes the course for college credit only, the student is responsible for paying all course fees. The school district will pay for all tuition and fees associated with the courses including the books. See a Guidance Counselor for specific rules and regulations for entering the college credit plus program. All arrangements must be made with the Guidance Department by April 1st.
<table>
<thead>
<tr>
<th>College Credit Plus</th>
<th>Suggested 15 Credit Hour Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>College Composition I/College Writing I</strong></td>
<td><strong>General Psychology</strong></td>
</tr>
<tr>
<td>3.0 credit hours</td>
<td>3.0 credit hours</td>
</tr>
<tr>
<td>(Senior year/Fall semester)</td>
<td>(Senior year/Fall semester)</td>
</tr>
<tr>
<td><strong>American Literature/Great Books</strong></td>
<td><strong>Sociology</strong></td>
</tr>
<tr>
<td>3.0 credit hours</td>
<td>3.0 credit hours</td>
</tr>
<tr>
<td>(Senior year/Spring semester)</td>
<td>(Senior year/Spring semester)</td>
</tr>
<tr>
<td><strong>Social Psychology</strong></td>
<td></td>
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<tr>
<td>3.0 credit hours</td>
<td>(Senior year/Spring semester)</td>
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</tbody>
</table>
College Credit Plus
30 Credit Hour Pathway
(Junior year)

- College Composition I / College Writing I
  3.0 credit hours
  (Fall semester)

- College Algebra / Basic Algebra II
  4.0/2.0 credit hours
  (Fall semester)

- American Literature / Great Books
  3.0 credit hours
  (Spring semester)

- Statistics / Introductory Statistics
  3.0/4.0 credit hours
  (Spring semester)

- General Psychology
  3.0 credit hours
  (Spring semester)

College Credit Plus
30 Credit Hour Pathway
(Senior year)

- College Composition II / College Writing II
  3.0 credit hours
  (Fall semester)

- Sociology
  3.0 credit hours
  (Fall semester)

- British Literature / Modern Writers
  3.0 credit hours
  (Spring semester)

- Social Psychology
  3.0 credit hours
  (Spring semester)

- Effective Speaking / Introduction to Human Communication
  3.0 credit hours
  (Spring semester)
### BUSINESS AND ENTREPRENEURIAL STUDIES DIVISION
ASSOCIATE OF APPLIED BUSINESS

**ENTREPRENEURSHIP**
*Effective Summer 2014*

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<th>TECHNICAL Course Number</th>
<th>Course Title</th>
<th>Credits</th>
<th>Pre- and Co-Requisites</th>
<th>Completed Sem./Year</th>
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<tr>
<td>ENT120</td>
<td>Entrepreneurship&lt;sup&gt;^&lt;/sup&gt;</td>
<td>3</td>
<td>IDS102 or Proficiency</td>
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<tr>
<td>ENT121</td>
<td>Entrepreneurial Marketing</td>
<td>3</td>
<td>ENT120</td>
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<tr>
<td>ENT123</td>
<td>Entrepreneurial Accounting</td>
<td>3</td>
<td>ENT120</td>
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<tr>
<td>ENT124</td>
<td>Managing Entrepreneurial Growth</td>
<td>3</td>
<td>ENT120</td>
<td></td>
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<tr>
<td>ENT221</td>
<td>Entrepreneurial Finance</td>
<td>3</td>
<td>ENT120</td>
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<tr>
<td>ENT223</td>
<td>Entrepreneurship Practicum</td>
<td>5</td>
<td>Sophomore standing or Department Chair approval</td>
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<tr>
<td>ENT224</td>
<td>Entrepreneurial Law</td>
<td>3</td>
<td>ENT120</td>
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<tr>
<td>ENT225</td>
<td>Global Entrepreneurship</td>
<td>3</td>
<td>ENT120</td>
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<tr>
<td>MGT233</td>
<td>Business Leadership</td>
<td>3</td>
<td>ENT120</td>
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<td>MGT234</td>
<td>Business Plan Development</td>
<td>3</td>
<td>ENT221</td>
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<td><strong>Total</strong></td>
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<th>Credits</th>
<th>Pre- and Co-Requisites</th>
<th>Completed Sem./Year</th>
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<td>SSCI101</td>
<td>Student Success Seminar&lt;sup&gt;^^&lt;/sup&gt;</td>
<td>1</td>
<td>Take first semester</td>
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<td>ACC229</td>
<td>Computerized Accounting Applications</td>
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<td>(AOT226 or ITD122) and (ACC121 or ACC132 or ENT123)</td>
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<tr>
<td>BUS121</td>
<td>Business Administration&lt;sup&gt;^&lt;/sup&gt;</td>
<td>4</td>
<td>IDS102 or Proficiency</td>
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<tr>
<td>BUS124</td>
<td>Business Analysis with Algebra&lt;sup&gt;#&lt;/sup&gt;</td>
<td>4</td>
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<tr>
<td>BUS221</td>
<td>Microeconomics&lt;sup&gt;^&lt;/sup&gt;</td>
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<td>IDS102 or Proficiency</td>
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<tr>
<td>COM121 or ENG230</td>
<td>Effective Speaking</td>
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<td>ENG124</td>
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<td></td>
<td>Business Communication</td>
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<tr>
<td>ENGI24</td>
<td>College Composition&lt;sup&gt;^&lt;/sup&gt;</td>
<td>3</td>
<td>ENG011 or Proficiency</td>
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<td>HIS122</td>
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<td>ITD122</td>
<td>Computer Applications for Professionals&lt;sup&gt;^&lt;/sup&gt;</td>
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<td>ITD100 or Proficiency</td>
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<td>MKT221</td>
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<td>MKT121 or ENT121</td>
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<td>Math for Technology&lt;sup&gt;^&lt;/sup&gt;</td>
<td>3</td>
<td>(MTH091 and MTH092&lt;sup&gt;*&lt;/sup&gt;)</td>
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<td></td>
<td>or Proficiency</td>
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<td>Check for pre-requisites</td>
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<tr>
<td></td>
<td><em>Arts &amp; Humanities Elective&lt;sup&gt;^&lt;/sup&gt;</em></td>
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<tr>
<td><strong>Total</strong></td>
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<td><strong>36</strong></td>
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</tbody>
</table>

**TOTAL CREDIT HOURS** 68

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<sup>^</sup>Based upon SSC placement score.

<sup>^^</sup>To promote student success, this course should be taken in the first semester.

<sup>+</sup>Requires a "B" or better

+Successful completion of ITD102, ITD104, ITD105, and ITD106 may be substituted for ITD122.

<sup>^</sup>Arts & Humanities Elective: HIS121, HIS122, PHI122, SOC225, ENG233, ENG234, ENG235, ENG236, ENG237, ENG240, ENG241

(All ENG courses prerequisite: ENG124)

<sup>##</sup>BUS124 is the equivalent to BUS123. Students who have successfully completed BUS123 do not need to take BUS124.

<sup>^</sup>MTH125 College Algebra or MTH124 Statistics should only be taken by students planning to transfer to a four-year institution.
The Advanced Placement (AP) Program enables students to complete college-level studies at Minerva HS. Students enrolled in AP classes are **required** to take the College Board advanced placement examination. Colleges may grant credit or placement to students with satisfactory AP test scores.

**TRANSFERRING COLLEGE CREDIT EARNED IN HIGH SCHOOL**

In order to guarantee transferability of courses within Ohio public colleges and universities, a course may have OTM (Ohio Transfer Module) approval, TAG (Transfer Assurance Guides) approval, or both.

OTM provides students the opportunity to transfer courses as a block or on an individual course basis. OTM approved courses are typically general education courses that can transfer from one college or university to another. This can help students make progress towards general education requirements and avoid unnecessary duplication of courses.

TAG approved courses are those foundational courses that represent a commonly accepted pathway towards a Bachelor’s degree. A TAG approved course is guaranteed to transfer and apply to the degree or program requirements.

Other college courses not listed as OTM or TAG are courses that could potentially transfer as elective or program credits at the discretion of the receiving institution.

**PE WAIVER**

Minerva Local Board of Education has adopted a policy to excuse the high school physical education requirement for each student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons. Once the student completes two full seasons of activities a PE waiver will be granted to the student. Waivers will not be issued for only one season of an activity. So if a student only completes one season of an activity during high school then that student is required to still complete two semesters of PE.

**CREDIT FLEX**

During the 2017 - 2018 school year, Flexible Credit Options will be available to high school students. Ohio’s plan for Credit Flexibility is designed to broaden the scope of students’ curricular options, increase the depth of possible study for a particular subject, and allow tailoring of learning time and/or conditions. Contact the guidance office for further information regarding credit flex options. Deadline to apply for credit flex for the 2017 - 2018 school year is April 30th, 2017.
COURSE SELECTION GUIDELINES

Following are recommendations for course selections based on your long-range goals. The suggested College Prep curriculum is designed for higher education such as a four-year college program. The Tech. Prep. Curriculum is designed to offer students preparation for a two-year college, associate degree program, or those who desire to go directly to work at the end of high school.

College Prep

FRESHMEN
- English I
- Algebra I or Pl. Geom.
- Foreign Language
- Fundamental Science or Biology
- Physical Education 9
- Modern World History
- 1 Elective

SOPHOMORES
- English II
- Plane Geometry or Algebra II
- Biology or Chemistry
- American History
- Physical Education 10
- Foreign Language
- Health
- 1 Elective

JUNIORS
- English III
- Algebra II, or
- Pre- Calculus or Stats/Trig
- Chemistry or other Science
- Foreign Language
- 2 Electives

SENIORS
- English IV(CP, AP, or CCP)
- Am. Govt/Econ/Per.Fin
- APCalculus and/or College Math, Stats/Trig
- or Precalculus
- Physics
- Psych./Soc
- Foreign Language.
- 1 Elective

Tech. Prep

FRESHMEN
- English I
- Essentials of Alg. I
- Fundamental Science
- Physical Education 9
- Modern World History
- 2 Electives

SOPHOMORES
- English II
- Essentials of Geometry
- Practical Biology
- American History
- Physical Education 10
- Health
- 2 Electives

JUNIORS
- English III
- Practical Chemistry
- Essentials of Algebra II A
- 3 Electives

SENIORS
- English IV
- AmGovt/Econ/Per.Fin.
- Essentials of Algebra II B
- 3 electives
COURSE DESCRIPTIONS

BUSINESS & COMPUTER EDUCATION

Accounting
Credit: 1 Unit
Course Number: 101
Length of course: Full year

Accounting introduces the student to an organized method of keeping business and personal financial records. Through the study of the accounting cycle, the student will be able to prepare, interpret, and analyze business papers and records.

Recommended Grades: 10 - 12
Fee: Workbook & practice set

Business Administration (CCP)
Credit: 1 Unit
Credit: 3 semester hours through Stark State College
Course Number: 103
Length of course: One Semester

This is a CCP course through Stark State College. A survey course designed to develop a comprehension of business theories and principles. Students will examine the following: American business development, management and organization, human resources, marketing, information for business strategy, decision making, finance and investment. Upon completion, students should be able to demonstrate an understanding of the above topic areas and have a foundation for studying other business subjects.

Recommended Grades: 10 - 12
Prerequisite: Must apply and be admitted to Stark State College

Business Orientation
Credit: 1 Unit
Course Number: 104
Length of course: Full year

Business Orientation is designed to introduce the student to the various occupations in the field of business. The student is given a brief introduction in the following subject areas: accounting, banking, business/economic world, keyboarding, and computers.

Recommended Grade: 9

Cybercrime (CCP)
Credit: 1 Unit
Credit: 3 semester hours through The University of Akron
Course Number: 105
Length of course: One semester
This is a distance learning course through The University of Akron. Cybercrime is a broad introduction to the field of computer crime, basic criminal techniques, and the relevant laws. The course is a good introduction to the essentials of computer forensic and specific techniques that hackers use to infiltrate computer systems. Topics will include an overview of encryption, stenography, and how cyber criminals communicate.

Recommended Grades: 11-12
Prerequisite: Must apply and be admitted to The University of Akron

**Computer Forensic Methods (CCP)**
Credit: 1 unit
Credit: 3 semester hours through The University of Akron
Course Number: 106
Length of course: One semester

This course is a distance learning course through The University of Akron. The course will cover report writing, expert testimony, the trial process, and preparing forensics evidence for testimony. This course is perfect for someone considering a career in computer forensics.

Recommended Grades: 11-12
Prerequisite: Must apply and be admitted to The University of Akron

**iLife**
Credit: 1/2 Unit
Course Number: 107
Length of course: One Semester

Using a variety of software, students will participate in planning, creating, editing, and presenting digital media. Students will also learn how to create and maintain a web site. Students will develop proficiency on a variety of production software. Depending on the project, other software packages may also be introduced.

Recommended Grades: 9 – 12
Prerequisite: none

**Media and Marketing**
Credit: 1/2 Unit
Course Number: 109
Length of Course: One Semester

In this course students will develop skills in iMovie, iWeb, and iDVD software. Students will learn how electronic media is used for marketing and will create media for various marketing purposes. Students will also learn basic principles in marketing including analyzing marketing opportunities, targeting markets, designing marketing strategies, plan marketing programs and also how to organize, implement and control the marketing effort.

Recommended Grades: 10-12
Prerequisite: None
FINE ARTS

Art I
Credit: 1 Unit
Course Number: 201
Length of course: Full year

Art I is designed in alignment with the Ohio Visual Arts Academic Content Standards. These art standards include: Historical, Cultural, and Social Contexts; Creative Expression and Communication; Analyzing and Responding; Valuing the Arts/Aesthetic Reflection; as well as Connections, Relationships and Applications. Students will explore these standards through a wide variety of art projects and art media using the elements of art which include color, line, value, shape, form, texture and space.

Recommended Grades: 9 - 12
Fee: $12.00

Art II
Credit: 1 Unit
Course Number: 202
Length of course: Full year

Art II continues to focus on the Ohio Visual Arts Academic content Standards through a wide variety of art projects and art media. Continuing to study art elements, students also begin to work with design principles such as rhythm, movement, balance, unity, and emphasis.

Recommended Grades: 10 - 12
Prerequisite: Art I
Fee: $12.00

Art III
Credit: 1 Unit
Course Number: 203
Length of course: Full year

Art III provides a more extensive level in regards to the Ohio Visual Arts Academic Content Standards as students become more experienced through advanced projects and advanced art media. Students will utilize art elements, design principles, and art history/appreciation and critiquing at a higher level.

Recommended Grades: 11 - 12
Prerequisite: Art II
Fee: $12.00

Art IV
Credit: 1 Unit
Course Number: 204
Length of course: Full year
Art IV is an advanced and more independent approach toward the Ohio Visual Arts Academic Content Standards. Students combine art elements, design principles, art history/appreciation and critiquing along with advanced art media, and technology towards portfolio preparation.

Recommended Grade: 12  
Prerequisite: Art III  
Fee: $12.00

**Symphonic Chorale**  
Credit: 1 Unit  
Course Number: 209  
Length of course: Full year

Chorale is open to any student with a desire to sing in a group. We will focus on vocal production, proper breathing, and teach basic music skills. Concerts and rehearsals are mandatory. There is no audition required for this class.

Recommended Grades: 9 - 12

**Marching Band**  
The Pride of Minerva Marching Band is made up of members of the concert bands. Attendance at after school practices and performances is a course requirement. After marching season, members of this band perform with the Symphonic Band and Wind Symphony.

Recommended Grades: 9 - 12  
Prerequisite: Accepted by audition only and participation in Symphonic Band or Wind Symphony is required  
Fee: Uniform maintenance, band polo shirt, shoes, and uniform bag

**Symphonic Band**  
Credit: 1 Unit  
Course Number: 208  
Length of course: Full year

Symphonic Band course curriculum is planned to develop a medium-advanced proficiency in areas of music theory and performance. Attendance at all rehearsals and performances is a course requirement.

Recommended Grades: 9 - 12  
Prerequisite: Accepted by audition only  
Fee: Uniform maintenance, band polo shirt, shoes, and uniform bag

**Wind Symphony**  
Credit: 1 unit  
Course Number: 207  
Length of course: Full year

Wind Symphony course curriculum is planned to develop an advanced proficiency in areas of music theory and performance. Attendance at all rehearsals and performances is a course requirement.
Jazz Band
Credit: 1/2 Unit
Course Number: 212
Length of course: Full year

The Jazz Band is designed to expose students to the many styles of jazz, rock, and blues music. Jazz Band meets two days a week after school per week beginning after marching band season. All members must be a member of the Symphonic Band or Wind Symphony and audition separately for Jazz Band. Attendance at all rehearsals and performances is a course requirement.

Recommended Grades: 9-12
Prerequisite: Accepted by audition only

Exploring Music: Bach to Rock (CCP)
Credit: 1 Unit
Credit: 3 semester hours through The University of Akron
Course Number: 215
Length of course: One semester

This is a distance learning course through The University of Akron. This course provides non-music majors with the skills to evaluate a wide range of music. The course material is presented both historically ("From Bach to Rock") and by genre ("The Blues," "The Beatle," etc.). Students write three short papers and take a midterm and final exam.

Recommended Grades: 11-12
Prerequisite: Must apply and be admitted to The University of Akron

Music Theater
Credit: 1/2 Unit
Course Number: 211
Length of course: One semester

Musical Theater class will provide students with a history of musical theater as well as provide them with information on how a show is produced. This would include information on royalties, scenery, ticket sales, etc. There will be some acting involved, but in class only. There will possibly be the chance to work on the sets or work back stage for our own high school musical production.

Recommended Grades: 10-12

Music Appreciation
Credit: 1/2 Unit
Course Number: 210
Length of course: One semester
Music appreciation will provide an opportunity to the student to study many different types of music. The student will learn about art music, multicultural music, and gain greater understanding and appreciation for popular music. Through this course, the student will not only learn more about the history of music, but will also learn performance etiquette and the mechanics of music.

Recommended Grades: 10-12

**Crescent Staff**
Credit: 1 Unit
Course Number: 266
Length of Course: Full year

The Crescent is a course dealing with creative design techniques utilizing photographs, graphics, and text, which produce appealing layouts to be used in the publication of the yearbook. Students involved are expected to use interpersonal communication skills, apply computer techniques using Adobe Indesign, utilize dynamic writing abilities and maintain a high GPA.

Recommended Grades: 9-12
Prerequisite: By application only from the instructor

**WORLD LANGUAGES**

**Spanish I**
Credit: 1 Unit
Course Number: 309
Length of course: Full year

Census data tells us that by 2050 30% of our population will be Hispanic. Learning Spanish is a 21st century skill. Level I is the exciting beginning of your journey into Spanish language and culture. By the end of the course you will be able to understand basic words and phrases. You will be able to talk about yourself and ask questions to someone around your age. You will reach the Novice Mid level according to ACTFL (American Council of the Teaching of Foreign Language) standards. You will learn about Spain, Puerto Rico, and Mexican Day of the Dead and Quinceañera. Activities are based on authentic situations and have real meaning to students. Product is 70% of the course grade and 30% will come from the learning process.

Recommended Grades: 9 - 12
Fee: $3.00

**Spanish II**
Credit: 1 Unit
Course Number: 310
Length of course: Full year

Spanish II is for those who have a strong knowledge of Spanish I material and want to build with more complex structures. You will be able to give your opinion and talk more in-depth about topics studied in Spanish I. You will study health-related vocabulary, be able to read labels and signs, and ask simple questions such as “Can you go to dinner with me at Que Pasa?” You will also learn about our
neighbor to the south, Mexico. By the end of the year you will be able to reach the Novice-High proficiency level according to ACTFL standards. Product is 70% and process is 30% of the grade.

Recommended Grades: 9 - 12
Prerequisite: Recommended “A” or “B” average in Spanish I and have recommendation of world language teacher
Fee: $3.00

Conversational Spanish II
Credit: 1 Unit
Course Number: 313
Length of course: Full year

Conversational Spanish II is a practical class for those who completed Spanish I and wish to acquire additional conversational skills in order to interact with Hispanics in the workplace, mission field, or on vacation. It also is a place for those students who had to take a break from Spanish can pick the language back up. The course emphasizes role-playing everyday situations. Reading and writing may be done as reinforcement for conversational skills. There will be no systematic study of grammar. Only those structures needed to communicate in the situations presented will be introduced.

Recommended Grades: 10 - 12
Fee: $3.00

Honors Spanish III
Credit: 1 Unit
Course Number: 311
Length of course: Full year

This course is offered to motivated students who want to be challenged with a deeper look at the Spanish language and how it connects to their world and futures. Students will also learn about Central America. Grammar, reading, writing, speaking and listening skills are covered. Students will also do research and presentations in the target language on authentic, various cultural topics by integrating information on literature, art, history, music, food, current events, etc. By the end of the year students will be expected to communicate at the Intermediate Novice level according to the ACTFL standards. The overall grade is calculated using an 80% product grade and a 20% process grade.

Recommended Grades: 10 - 12
Prerequisite: Recommended “C” average or higher in Spanish II and have recommendation of World Language teacher

Honors Spanish IV
Credit: 1 Unit
Course Number: 312
Length of course: Full year

This course is for students who want to continue to increase their knowledge and proficiency of the Spanish language and how it connects to their world and futures. Students will also learn about South America. Grammar, reading, writing, speaking and listening skills are reviewed, along with
continued advancement in these skills. Students will continue to complete research and create presentations in the target language on authentic, various cultural topics by integrating information on literature, art, history, music, food, current events, etc. By the end of the year students will be expected to communicate at the Intermediate Mid level according to the ACTFL standards. The overall grade is calculated using an 80% product grade and a 20% process grade.

Recommended Grade: 11-12  
Prerequisite: Recommended “C’ average or higher in Spanish III and have recommendation of World Language teacher

Honors Spanish V  
Credit: 1 Unit  
Course Number: 314  
Length of course: Full year

This course is offered to motivated students who want to continue to increase their knowledge and proficiency of the Spanish language. Students will review and refine past grammar, reading, writing, speaking, and listening skills, along with instruction and new concepts. The students should be able to show increased spontaneity in speaking and possess much more accuracy. Students will complete in-depth research and presentations on authentic, various cultural topics by integrating information on literature, art, history, and current events. The overall grade is calculated using 90% product grade and a 10% process grade.

Recommend Grade: 11 -12  
Prerequisite: Recommended “C’ average or higher in Spanish IV and have recommendation of World Language teacher

HEALTH AND PHYSICAL EDUCATION

Health Education  
Credit: 1/2 Unit  
Course Number: 024  
Length of course: One Semester

Health Education provides the student with facts, data, and scientific opinions regarding today’s health standards, problems, and social impacts to help students be better decision makers and maintain a better-balanced life-style.

Recommended Grades: 10

Physical Education  
Credit: 1/4 Unit  
Course Number: 020  
Length of course: One Semester

Physical Education stresses the total development of the body and information on maintaining a proper fitness balance in life.

Recommended Grades: 9 and 10  
Fee: $10.00 for bowling
English I
Credit: 1 Unit
Course Number: 501
Length of course: Full year

English I is designed to improve the oral and written skills in using the English language. Students also read excellent examples of the various genres of literature. A focus of the course will be to engage students in critical thinking, reading comprehension, and writing activities.
Recommended Grade: 9

Honors English I
Credit: 1 Unit
Course Number: 509
Length of course: Full year

Honors English I is a literature intensive course with a focus on in-depth literary study. Writing assignments will enable students to further connect with the literature through analysis of literature elements and through creative writing.

Recommended Grade: 9
Prerequisite: Approved by recommendation process

English II
Credit: 1 Unit
Course Number: 502
Length of course: Full year

English II presents a broad range of material including literature, grammar, and writing. Also included are materials emphasizing study, speaking, and listening skills.

Recommended Grade: 10
Prerequisite: English I

Honors English II
Credit: 1 Unit
Course Number: 519
Length of course: Full year

Honors English II is a continuation of Honors English I. Students will continue to read classic literature and will analyze the works through various writing assignments. Students will also produce personal creative writing. An intense study of college-level vocabulary works and analogies will be introduced.

Recommended Grade: 10
Prerequisite: Approved by recommendation process
English III
Credit: 1 Unit
Course Number: 503
Length of course: Full year

English III familiarizes students with the ways in which American history affects literature and culture in the United States. Emphasis is placed on an understanding of major American literary periods, key works and authors from each period, vocabulary, writing (both formal and informal), oral communication skills, and the completion of a research paper.

Recommended Grade: 11
Prerequisite: English 10

Honors American Literature
Credit: 1/2 Unit
Course Number: 529
Length of course: One Semester

This course will introduce students to the American literacy periods. We will analyze the historical events, the major authors, and the style of writing for each period. In addition to reading historical documents, short stories, and poetry, we will also read several novels. This is a fast-paced, reading-intensive course. Some writing will also be required. Please note that because this class follows a college writing course for which students will have qualified with a college-ready ACT score, there will be no ACT review or preparation offered as part of the Honors American Literature course.

Recommended Grade: 11
Prerequisites: Approved recommendation process

Technical Reading and Writing Skills
Credit: 1 Unit
Course Number: 504
Length of course: Full year

This course is designed to develop the writing skills that will be required in the technical workplace. Students will learn to select and use appropriate language and layout for technical documents and write documents that are clear, accurate, and grammatically correct. Students will practice reading and writing skills that will be valuable in their college programs and build a strong base for professional technical and business writing. Those students who plan to further their studies will develop the fundamental skills for writing acceptable academic English. To help students reach these goals, the course covers the following: analytical reading and critical thinking; the organization and development of various technical documents, and the elements of clear writing, including grammar and punctuation skills.

Recommended Grade: 12
Prerequisite: English 11

College Prep English IV
Credit: 1 unit
Course Number: 524
Length of Course: Full Year
College Prep English places emphasis on comprehension and writing skills necessary for the traditional college-bound student. This class will emphasize British and World Literature, vocabulary, writing (both formal and informal), and oral communication skills. Students are required to complete a career paper (first semester) and a Senior Memory Book (second semester) in order to pass the course. There will be work (reading, writing, researching) that must be completed outside of class. Admission to College Prep English is based on successful completion of English III with the grade of a C or better and/or teacher recommendation.

Recommended Grade: 12  
Prerequisite: English III, C average

**College Writing I (CCP)**  
Credit: 1 unit  
Credit: 3 semester hours through Kent State University  
Course Number: 537  
Length of Course: One semester

This course will focus on the study and practice of academic writing, including an introduction to rhetorical principles, the writing process, critical reading, research, and technology.

Recommended Grade: 11-12  
Prerequisite: Must apply and be accepted to Kent State University as well as earn a proficient score on college entrance exam.

**College Writing II (CCP)**  
Credit: 1 unit  
Credit: 3 semester hours through Kent State University  
Course Number: 538  
Length of Course: One semester

This course is a continuation of college-level writing instruction with emphasis on research and inquiry, culminating in a lengthy written and/or multi-modal project.

Recommended Grade: 12  
Prerequisite: Must apply and be accepted to Kent State University as well as earn a proficient score on college entrance exam; College Writing I

**Advanced Placement English IV**  
Credit: 1 unit  
Course Number: 539  
Length of Course: Full Year

AP English is college level English course. The focus is on close, critical reading of poetry, drama, prose, fiction, and expository literature from the 16th century to the present. Critical discussion and writing about these works will center on each writer’s technique, theme, style, and tone. The goal of AP English is to help the student develop mature habits of critical thinking as an independent reader and writer about Literature. This class is both demanding and intellectually stimulating. Classroom discussion and active participation are vital and serve as a means of testing the student’s ideas. Taking the AP Exam is mandatory and also a way of gaining college credit for the level of work done in this course.
Recommended Grade: 12
Prerequisite: English III and students will be required to complete an AP English application.
Fee: Cost of the AP Exam - approx. $80.00

**ACT Prep**
Credit: 1/2 Unit
Course Number: 050
Length of Course: One Semester

This semester-long course will enable students to properly use standard conventions of grammar and usage. At completion of the course, students should have a strong command of writing skills such as capitalization, punctuation, syntax, and grammar usage including parts or speech, types of phrases and clauses, parallel structure, subject/verb agreement, and other skills needed for success on the ACT English test. The course will also analyze how language and conventions are used by authors to impact style and meaning in their writing.

Recommended grade: 10

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**MATHEMATICS**

**Essentials of Algebra I**

Credit: 1 Unit
Course Number 601
Length of course: full year

This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. The main focus of this course is basic Algebra concepts.

Recommended Grade: 9
Prerequisite: none
Fee: $2.00

**Essentials of Geometry**

Credit: 1 Unit
Course Number: 602
Length of course: Full year

This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. The main focus of this course is basic Geometry concepts.

Recommended Grade: 10
Prerequisite: Essentials of Algebra I
Fee: $2.00
**Essentials of Algebra II A**  
Credit: 1 Unit  
Course Number: 614  
Length of course: Full year

This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. The main focus of this course is the first half of the basic Algebra II concepts.

Recommended Grade: 11  
Prerequisite: Essentials of Algebra I and Essentials of Geometry  
Fee: $2.00

**Essentials of Algebra II B**  
Credit: 1 Unit  
Course Number: 616  
Length of Course: Full year

This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. The main focus of this course is the second half of the basic Algebra II concepts.

Recommended Grade: 12  
Prerequisite: Essentials of Algebra I, Essentials of Geometry & Essentials of Algebra II A  
Fee: $2.00

**Algebra I**  
Credit: 1 Unit  
Course Number: 603  
Length of course: Full year

This course is designed for the college prep learner. This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. The student will understand the basic structure of Algebra and the properties of the real number system while developing an appreciation for the precision of its language.

Recommended Grade: 9  
Prerequisite: none  
Fee: $2.00

**Plane Geometry**  
Credit: 1 Unit  
Course Number: 604  
Length of course: Full year

This course is designed for the college prep learner. This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. Geometry is designed to teach the student about basic geometric figures and parallel lines while providing experience with proofs and deductive reasoning.
Honors Geometry
Credit: 1 Unit
Course Number: 624
Length of course: Full year

Honors Geometry is designed for those students who are planning on pursuing additional upper level math courses. This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. The student will understand the basic geometric figures and parallel lines while providing experience with two column proofs and deductive reasoning. This course has an emphasis on the integration of Algebra I skills into geometric application while providing some experience with technology (Graphing Calculators). The Honors course will cover the topics at an accelerated pace (similar to a college class) and at a conceptual depth beyond the regular class.

Recommended Grade: 9-10
Prerequisite: GPA in Algebra I of at least a 3.0 or instructor’s permission. (class size limited to 30)
Fee: $2.00

Algebra II
Credit: 1 Unit
Course Number: 605
Length of course: Full year

This course is designed for the college prep learner. This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. Algebra II is designed to provide the student with the “tools” needed in later mathematics courses, extending many of the ideas of Algebra I and Geometry and introducing many new topics. Graphing calculators are strongly recommended.

Recommended Grade: 9 - 11
Prerequisite: Algebra I, Plane Geometry or Honors Geometry
Fee: $2.00

Honors Algebra II
Credit: 1 Unit
Course Number: 615
Length of course: Full year

Honors Algebra II is designed for those students who are planning on pursuing additional upper level math courses (CCP Trigonometry and CCP Statistics, PreCalculus, Honors PreCalculus, etc.). This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. The student will be provided with the “tools” needed in later mathematics courses, extending many of the ideas of Algebra I and Honors Geometry while introducing application to real world situations. Graphing Calculators are strongly recommended. The Honors course will cover the topics at an accelerated pace (similar to a college class) and at a conceptual depth beyond the regular class.
Recommended Grade: 9-11
Prerequisite: GPA in Honors Geometry of at least a 3.0 or instructor’s permission. (class size limited to 30)
Fee: $2.00

**College Math**
Credit: 1 Unit
Course Number: 612
Length of Course: Full year
This course is designed for those students who wish to pursue further study in mathematics at the college level. This course addresses the grades 9-12 portion of the Common Core State Standards for Mathematics. The course covers basic Trigonometry concepts, basic Statistics and Probability concepts, a continuation of advanced concepts in Algebra II, and prepares students for standardized testing (ACT, SAT, and ALEKS). This course only covers basic concepts and is not considered an advanced math course. Students earning a “C-” or better in PreCalc or Honors PreCalc may **NOT** register for this class.

Recommended Grade: 12 only
Prerequisite: Algebra II or instructor’s permission
Fee: $2.00

**Trigonometry (CCP)**
Credit: 1 Unit
Credit: 3 semester hours through Kent State University
Course Number: 613
Length of course: One semester

This course will focus on the solution of triangles, trigonometric equations and identities.

Recommended Grade: 10 – 12
Prerequisite: MATH 10774 or MATH 10775 or MATH 11010 with a minimum C (2.0) grade; or minimum 67 ALEKS math placement assessment score; GPA in Algebra II or Honors Algebra II of at least 3.0 or instructor’s permission. (Class size limited to 30)
Fee: $2.00

**Statistics (CCP)**
Credit 1 Unit
Credit - 3 semester hours through Kent State University
Course Number: 611
Length of course: One semester

10041 Introductory Statistics (4): An introduction to statistical thinking and statistical methods. Emphasis is on statistical literacy, conceptual understanding and active learning in the classroom. Students taking this course are may choose to take the Advanced Placement Statistics exam in May and possibly earn college credit for the level of work done in this course. A graphing calculator is suggested for this course.
Recommended Grade: 10-12
Prerequisite: Minimum 22 math ACT score; or minimum 520 math SAT score; or minimum 35 ALEKS math assessment score; or minimum C (2.0) grade in MATH 00022 or any higher-level MATH course; GPA in Algebra II or Honors Algebra II of at least 3.0 or instructor’s permission. (Class size limited to 30)
Fee: $2.00; If taking the AP exam: the cost of the AP Exam - approx. $80

PreCalculus
Credit: 1 Unit
Course Number: 607
Length of Course: Full year

This course will include operations with polynomial, exponential, logarithmic, rational, radical, absolute value, trigonometric functions and inequalities. Additional topics will include: right triangle trigonometry, trigonometric ratios, trigonometric identities and formulas, matrices, and conic sections. This course is designed to prepare the student for his/her post high school mathematics and/or college Precalculus course. A graphing calculator is required for this course.

Recommended grade: 10 – 12
Prerequisite: GPA in Algebra II, Honors Algebra II of at least a 3.0 or instructor's permission. (Class size limited to 30).
Fee: $2.00

Honors PreCalculus (CCP Option)
Credit: 1 Unit
Credit: 4 semester hours through University of Mount Union
Course Number: 608
Length of course: Full year

This course will include operations with polynomial, exponential, logarithmic, rational, radical, absolute value, trigonometric functions and inequalities. Additional topics will include: right triangle trigonometry, trigonometric ratios, trigonometric identities and formulas, matrices, and conic sections. This course will provide an in-depth analysis of the topics listed, preparing the student for his/her post high school mathematics and/or for Calculus. A graphing calculator is required for this course.

Recommended Grades: 10 - 12
Prerequisite: GPA in Algebra II or Honors Algebra II of at least a 3.0 or instructor’s permission. (Class size limited to 30).
For College Credit Plus- must meet Mount Union’s requirements
Fee: $2.00

Advanced Placement Calculus
Credit: 1 Unit
Course Number: 609
Length of course: Full year

This course is designed for the student with a demonstrated interest in engineering, economics, life sciences, mathematics or the physical sciences. It is intended to present enough subject matter with sufficient conceptual depth to allow the entry-level college student the option of testing out of Calculus I. This course is recommended for high ability students only. Students in this course are required to
take the College Board’s Advanced Placement Calculus test and possibly earn college credit for the level of work done in this course.

Recommended Grades: 12
Prerequisite: Grade point average in Algebra I and II, Geometry, and PreCalculus, of at least 3.0, or instructor’s permission.
Fee: $2.00 and the cost of the AP Exam - approx. $80.00

**Calculus II (CCP)**
Credit: 1 Unit
Credit: 4 semester hours through University of Mount Union
Course Number: 610
Length of course: Full year

This course will cover the following topics: areas, volumes, techniques or integration, arc length, differential equations, infinite series, parametric equations, and polar coordinates. We will expand on the concepts of differentiation and integration mastered in Calculus I and learn skills needed to Calculus II. Our focus throughout the class will be on problem solving. A graphing calculator is required for this course. Students in this course may choose to take the College Board’s Advanced Placement Calculus BC test and possibly earn college credit for the level of work done in this course.

Recommended Grade: 12
Prerequisite: Grade point average in Algebra I and II, Geometry, Precalculus and AP Calculus of at least 3.0, or instructor’s permission
Fee: $2.00; Cost of the AP exam if taken – approx. $80

**SCIENCE**

**Anatomy & Physiology**
Credit: 1 Unit
Course Number: 701
Length of Course: Full year

Anatomy and Physiology is a junior/senior level science course that is available for students interested in pursuing a medical career. The course will emphasize human anatomy & physiology through independent study, experiments, and class discussions. Human health issues and medical terminology will also be addressed.

Recommended Grade: 11 - 12
Prerequisite: Chemistry
Fee: $10.00

**Biology**
Credit: 1 Unit
Course Number: 702
Length of course: Full year
The Biology course is designed to develop an understanding of the basic biological principles of the world around us. This is a college preparatory course for those students who are pursuing a college career or a technical career in a biology related field.

Recommended Grade: 10  
Prerequisite: Fundamental Science  
Fee: $10.00 lab fee

**Chemistry**  
Credit: 1 Unit  
Course Number: 703  
Length of course: Full year

The Chemistry course involves the study of matter and the changes it undergoes. The Chemistry course is designed for the scientific minded student to prepare for college or technical school. Proficiency in Algebra and Geometry is necessary.

Recommended Grades: 10 - 11  
Prerequisite: Algebra I  
Fee: $10.00 lab fee

**Practical Chemistry**  
Credit: 1 Unit  
Course Number: 704  
Length of course: Full year

Practical Chemistry is a course that focuses on the principle concepts of chemistry and addresses the connections chemistry has to topics that influence our community. The course emphasizes the scientific basis for topics that are in the news today, such as energy sources and access to clean water. Lab safety, intro to equipment, data-analysis, and investigative work are also stressed. This course is recommended for students needing a high school chemistry course for college applications but are not planning to major in the field of science.

Recommended Grades: 11 – 12  
Fee: $10.00 lab fee

**Fundamental Science**  
Credit: 1 Unit  
Course Number: 705  
Length of course: Full year

Fundamental Science, a course designed for all freshmen students, is a practical study of the earth, life, and physical sciences with emphasis on the physical sciences.

Recommended Grade: 9  
Fee: $10.00
Honors Biology
Credit: 1 Unit
Course Number: 706
Length of Course: Full year

Honors Biology is an integrated laboratory study which provides the student with a basic understanding of biological concepts and concentrates on increasing problem solving skills and analytical thinking as it pertains to biology.

Recommended Grade: 9-10
Prerequisite: Approved teacher recommendation process
Fee: $10.00 lab fee

Honors Chemistry
Credit: 1 Unit
Course Number: 707
Length of Course: Full year

Honors Chemistry is an accelerated study of the basic concepts and principles of chemistry such as the structure of matter and the changes it undergoes, periodicity, bonding, and equilibria.

Recommended Grades: 10-12
Prerequisite: Approved teacher recommendation process
Fee: $10.00 lab fee

Seven Ideas That Shook The Universe (CCP)
Credit: 1 Unit
Credit: 3 semester hours through Kent State University
Course Number: 708
Length of course: One semester

This course will focus on the description of major revolutionary physical concepts and their implications for understanding the physical universe. This course is not counted towards Kent State’s requirements for physics major.

Recommended grades: 11-12
Prerequisite: Completion of Chemistry or Honors Chemistry; must apply and be admitted to Kent State University; minimum 20 reading ACT score

Physics
Credit: 1 Unit
Course Number: 710
Length of course: Full year

Physics is the science of measuring, describing, and explaining the interaction of the world in which we live. The course is designed for the scientific minded student to prepare for post high school training.

Recommended Grade: 11-12
Prerequisite: Algebra II or concurrent
Fee: $10.00 lab
Practical Biology
Credit: 1 unit
Course number: 711
Length of course: Full year
This course is intended for students who do not plan to attend college or pursue a technical career in a biology related field. The purpose of this course is to develop an understanding of the basic biological principles of the world around us.

Recommended Grade: 10
Prerequisite: Fundamental Science
Fee: $10.00

Forensic Science
Credit: 1 Unit
Course Number: 712
Length of course: Full year

Forensic Science is the application of basic biological, chemical and physical science principles and technological practices to the study of criminal and civil issues. Areas of study in this course may include pathology, anthropology, botany, entomology, odontology, ballistics, trace evidence, biological fluids, DNA, fingerprints, impression evidence, questioned documents an forensic psychiatry/psychology. Current topics and cases will also be examined throughout the year.

Recommended Grades: 11 - 12
Prerequisites: Completion of both 9 and 10th grade Science courses
Fee: $10.00

Biochemistry
Credit: 1 Unit
Course number: 713
Length of course: Full year

Biochemistry is a study of the structure and function of the major classes of organic compounds; carbohydrates, lipids, proteins, and nucleic acids. Special emphasis will be given to enzymology, cellular organization, and biochemical regulation, including cellular organization, gene structure, transcription, and translation. The course is a combination of lab and lectures.

Recommended grades: 11 – 12
Prerequisite: Successful completion of Chemistry and Biology
Fee: $10.00

SOCIAL STUDIES

Government/Economics and Financial Literacy
Credit: 1 Unit
Course Number: 802
Length of course: Full year
This course explores how the American people govern themselves at national, state and local levels of government and is the basis for this course. Students can impact issues addressed by local governments through service learning and senior projects. This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. Once research project per semester is required. Students will be required to take and pass a State mandated end of the course exam.

Recommended Grades: 11 (Class of 2018 and beyond) 12 (Class of 2017)
Prerequisite: World History and American History

**Government and Politics (CCP)**
Credit: 1 Unit
Credit: 4 semester hours through The University of Akron
Course Number: 809
Length of course: One Semester

This is a distance learning course through The University of Akron. The course is an examination of American political system with emphasis on fundamental principles, ideas, institutions and processes of modern government. The course is comprised of lecture and discussion sections.

Recommended Grades: 11
Prerequisite: World History and American History. Must apply and be accepted to The University of Akron.

**Survey of Basic Economics (CCP)**
Credit: 1 Unit
Credit: 3 semester hours through The University of Akron
Course Number: 810
Length of course: One Semester

This distance learning course is an introduction to economic analysis and issues designed for the student taking only one course in economics. Coverage will include economics systems, exchange, money and banking, national income, employment, fiscal policy and current domestic economic problems.

Recommended Grades: 11
Prerequisite: World History and American History. Must apply and be accepted to The University of Akron.

**Modern World History**
Credit: 1 Unit
Course Number: 803
Length of course: One year

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build
with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Student will be required to complete course required project(s) to earn credit for the course.

Recommended Grades: 9

**Honors Modern World History Pre-Advanced Placement**

Credit: 1 Unit  
Course Number: 811  
Length of course: One year

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Students will be required to complete course-required project(s) to earn credit for the course. Students will receive an accelerated curriculum which will focus on development of AP History skills i.e. writing prompt and analyzing Document Based Questions (DBQ). Students who take this course will take Advanced Placement American History.

Recommended Grade: 9  
Prerequisite: Must meet minimum SRI level as determined by department. Must complete application that includes writing prompt. Must have Social Studies teach recommendation. Please talk to your Social Studies teacher if you are interested and seeking a recommendation.

**American History 1877 - Present**

Credit: 1 Unit  
Course Number: 806  
Length of course: Full year

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

Recommended Grade: 10  
Prerequisite: Sophomore Standing

**Honors Psychology**

Credit: 1/2 Unit  
Course Number: 808  
Length of course: One Semester

The content of this course reflects the scientific approach to the study of human behavior through an analysis of individual growth patterns and social interrelationships. Major topics discussed are
approaches and methods to studying psychology, anatomy of the brain, sensation and perception, consciousness and dreams, learning and intelligence, personality, human development, and psychological disorders. A portfolio and term paper is required. This course is an elective with college prep expectations and curriculum.

Recommended Grade: 11 or 12
Prerequisite: Students must have passed both World History and American History and must also have at least a 3.00 GPA. Must complete application.

Honors Sociology
Credit: 1/2 Unit
Course Number: 805
Length of course: One Semester

Sociology is designed to teach the student how to function as a part of a group within a society’s framework of norms and values. Emphasis will be given the recognition of society’s problems and ways of dealing with those problems. Topics include: sociological methods to studying behavior, cultures, socialization, group behavior and social problems. A portfolio is required. This course is an elective with college prep expectations and curriculum.

Recommended Grades: 11 - 12
Prerequisites: Students must have passed both World History and American History and must also have at least a 3.00 GPA. Must complete application.

AP American History
Credit: 1 Unit
Course Number: 804
Length of Course: Full year

The college level course is designed for the student who is highly interested in looking at history from a wide variety of perspectives. The course is divided into time periods starting at the Pre-Colonial America to Reagan. It will require critical thinking, effective writing skills, and a basic knowledge of US history. Research projects required for course credit. The ultimate goal will be taking the AP exam in the spring in which students can possibly earn college credit.

Recommended Grade: 11 & 12
Prerequisites: Must complete application that includes writing prompt. Must have Social Studies teacher recommendation. Please talk to your Social Studies teacher if you are interested and seeking a recommendation.

COMMUNICATIONS

Communication Skills
Credit: 1/2 Unit
Course Number: 505
Length of Course: One Semester

Speech I aids the student in developing the needed skills for effective oral communication. Emphasis is placed on the importance of effective communication and research. Students are required to participate in individual and group speaking situations.
Recommended Grades: 9 - 12

Introduction To Public Speaking (CCP)
Credit: 1 Unit
Credit: 3 semester hours through The University of Akron
Course Number: 506
Length of course: One semester

This distance learning course will explore principles and practice of speaking by reading examples of speeches, studying techniques and methods employed and applying them in a variety of speaking situations.

Recommended grades: 11 – 12
Prerequisite: Must apply and be admitted to The University of Akron

CAREER TECHNICAL

Agriculture Food and Natural Resources
Credit: 1 Unit
Course Number: 901
Length of course: Full year

This course will teach students how to work in groups and develop their leadership abilities through hands on activities. Students will use the opportunities the FFA provide for growth and build upon their interpersonal skills. Students will use the animal science unit to promote proper animal husbandry and production to make sound decisions as a producer and consumer. Students will explain and demonstrate the basics in plant production and harvesting in helping make sound decisions as a consumer and producer.

Recommended Grade: 9
FFA Dues: $20.00

Animal Science and Technology
Credit: 1 Unit
Course Number: 902
Length of course: Full year

This course will introduce the learner to career options and skill development including business leadership, problem-solving and communication skills in relation to the science and technology of animals. The course will introduce the student to responsible animal management principles and routine husbandry practices in relation to animal welfare and behavior. Learners will identify and describe the anatomy and physiology of monogastric and ruminant organisms as it applies to nutrition, reproduction, and animal health. Learners will investigate animal genetics and how it impacts principles of animal improvement, selection and marketing. This is the first course in the pathway.
Recommended Grade: 10
Prerequisite: Agriculture Food and Natural Resources
Dues for FFA: $20.00

**Business Management in Agriculture and Environmental Systems**
Credit: 2 Units
Course Number: 903
Length of course: Full year

Students will learn the components of agricultural business by developing a business plan, applying marketing and sales techniques, and identifying business structures. Students will learn about leadership and management styles and the impact they have on business. Students will learn that agro-security, finance, career development, and human resources are important components of business management.

Recommended Grade: 11 – 12
Prerequisite: Animal Science and Technology
Dues for FFA: $20.00

**Mechanical Principles**
Credit: 2 Units
Course Number: 918
Length of course: Full year

Students will apply principles of engineering and design along with an understanding of the properties and uses of construction materials to buildings and structures used in agriculture, horticulture and natural resources. The course will focus on the study and utilization of wood and lumber, metals, concrete and masonry, pipes and plumbing, and electrical systems. Students will design, plan, build and calculate costs-benefits analysis for construction projects while abiding by all building code and safety regulations.

Recommended Grade: 11 - 12
Prerequisite: Animal Science and Technology
Fee: $20.00

**Agribuisness Capstone**
Credit: 1 Unit
Course Number: 914
Length of course: Full year

This experience will provide multiple opportunities for students to apply knowledge, attitudes, and skills that were learned in the career-technical program in a more comprehensive and authentic way through a variety of work or volunteer experiences.

Recommended Grade: 12
Prerequisite: Approval of the instructor and Principal
Wood Processes
Credit: 1 unit
Course Number: 920
Length of course: Full year

This course will focus on information and skills concerned with woods, including various manufactured wood products, focusing on the technology employed in the manufacture and construction of products using woods and related factors such as occupations, economics, and consumer information.

Recommend Grades: 9 – 10
Fee: $25.00

FAMILY AND CONSUMER SCIENCES

Child Development
Credit: 1/2 Unit
Course Number: 905
Length of course: One Semester

In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

Recommended Grades: 10 - 12
Fee: $6.00

Personal Wellness
Credit: 1/2 Unit
Course Number: 906
Length of course: One Semester

In this course, students will analyze personal physical, emotional, social and intellectual growth for a healthy lifestyle. An emphasis will be placed on lifespan wellness by managing stress through relaxation, physical activity and sleep. Additional topics will include human growth development, mental health management, personal hygiene and preparing for emergency medical situations. This course may serve as a Health credit.

Recommended Grades: 9 – 12
Fee: $6.00

Career and College Readiness
Credit: 1/2 Unit
Course Number: 907
Length of course: One Semester

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research career and
occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship.

Recommended Grades: 9 – 12
Fee: $6.00

**Personal Financial Management (Formerly Personal Finances)**  
Credit: 1/2 Unit  
Course Number: 910  
Length of course: One Semester

In this course, students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing, and risk management.

Recommended Grades: 9 -12  
Fee: $6.00

**Global Foods (Formerly Beginning Foods)**  
Credit: 1/2 Unit  
Course Number: 911  
Length of course: One Semester

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

Recommended Grades: 9-12  
Fee: $6.00

**Principles of Nutrition and Wellness (Formerly Sports Nutrition and Healthy Eating)**  
Credit: 1/2 Unit  
Course Number: 913  
Length of Course: One Semester

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle.

Recommended Grades: 10 - 12  
Fee: $6.00