## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Notice of Non-Discrimination</td>
<td>1</td>
</tr>
<tr>
<td><strong>Graduation Requirements</strong></td>
<td>2</td>
</tr>
<tr>
<td>Required Courses</td>
<td>2</td>
</tr>
<tr>
<td>Additional Required Courses for Class of 2020 and After</td>
<td>3</td>
</tr>
<tr>
<td>Suggested 4-Year High School Course Plan†</td>
<td>4</td>
</tr>
<tr>
<td>Student Accountability for Graduation Requirements</td>
<td>5</td>
</tr>
<tr>
<td><strong>Shortened Schedules</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>College Admission Requirements</strong></td>
<td>6</td>
</tr>
<tr>
<td><strong>Earning College Credit</strong></td>
<td>7</td>
</tr>
<tr>
<td>Advanced Placement (AP) Courses</td>
<td>7</td>
</tr>
<tr>
<td>Dual Credit or Career Education Associates of North Central Illinois (CEANCI) Courses</td>
<td>8</td>
</tr>
<tr>
<td>Articulated Credit Courses</td>
<td>8</td>
</tr>
<tr>
<td><strong>Independent Study</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Grade Point Average (GPA) Calculation</strong></td>
<td>9</td>
</tr>
<tr>
<td><strong>Class Rank Calculation</strong></td>
<td>9</td>
</tr>
<tr>
<td>Weighted Courses</td>
<td>9</td>
</tr>
<tr>
<td><strong>National Collegiate Athletic Association (NCAA) Eligibility and Registration Requirements</strong></td>
<td>11</td>
</tr>
<tr>
<td>Academic Eligibility—Division I</td>
<td>11</td>
</tr>
<tr>
<td>NCAA Eligibility Registration</td>
<td>12</td>
</tr>
<tr>
<td>Key Actions for NCAA Eligibility by Grade Level</td>
<td>12</td>
</tr>
<tr>
<td><strong>Tracking NCAA Eligibility Progress</strong></td>
<td>13</td>
</tr>
<tr>
<td>Art</td>
<td>14</td>
</tr>
</tbody>
</table>
# TABLE OF CONTENTS

**Business, Career Education, and Computer Technology**  
Career and Technical Education  
  Project Lead the Way  
**Driver Education**  
**English**  
**Family and Consumer Sciences**  
**Mathematics**  
**Music**  
**Physical Education**  
  Grade 9  
  Grade 10  
  Grades 11-12  
**Science**  
**Social Studies**  
**Special Education**  
**World Languages and English Language Learners**  
  Native Speakers Recommendation for Placement
INTRODUCTION

Introduction

This course catalog contains information that will help you select your Harlem High School courses. As you read through the catalog, you will find information about graduation requirements and suggestions for planning your high school schedule of classes. The sections of the catalog present brief descriptions for courses offered in each division of the high school. Each entry presents the name of the course, the credit value, the course grade-level requirements, and course prerequisites, if any. All courses are subject to availability based on student pre-enrollment requests.

Initial planning for the high school program should begin during Grade 8. For assistance in planning your high school program, contact your counselor. (Harlem High School Guidance Office – (815) 654-4555, 9th Grade Campus Guidance Office – (815) 654-5484, Harlem Middle School Guidance Office – (815) 654-4534). If you have any questions as you select courses and plan your schedule, please talk with your teachers and your counselor. They are interested in helping you to plan the best possible program for your high school education.

Notice of Non-Discrimination

The Harlem School District does not discriminate on the basis of race, color, creed, religion, national origin, handicap, age, sex, or marital status in admission to or participation in its educational programs, Harlem District activities and services, or in its employment policies. Inquiries regarding compliance with state or federal non-discrimination requirements may be directed to Human Resources Department, Harlem Administration Center, 8605 North Second Street, Machesney Park, IL 61115, (815) 654-4500.
GRADUATION REQUIREMENTS

Graduation Requirements

Credits for graduation are accumulated in Grades 9 through 12. One-half (0.5) credit is given for completing course requirements for each 18-week semester. Students must earn at least twenty-six (26) credits in order to graduate.

Required Courses

Students must earn credit in the following courses, as described:

Business and Career Education- 1 credit total
• Career Development- 0.5 credit (1 semester)
• Consumer Education or Honors Economics- 0.5 credit (1 semester)

English- 4 credits total
• English 9 or Honors English 9- 1 credit (2 semesters)
• English 10 or Honors English 10- 1 credit (2 semesters)
• American Literature or AP Language & Composition- 1 credit (2 semesters)
• English 12*, AP Literature & Composition, or College English- 1 credit (2 semesters)

Mathematics- 3 credits total
• Algebra I- 1 credit (2 semesters)
• Geometry or Honors Geometry- 1 credit (2 semesters)
• Algebra II or Honors Algebra II- 1 credit (2 semesters)

Physical Education- 4 credits total
• Health Education- 0.5 credits (one semester)
• Physical Education- 3.5 credits

Note: Successful completion of Driver Education can exempt a student from 1 semester of PE if taken during the academic school year.

Social Studies- 3 credits total
• Contemporary World Studies or equivalent - 1 credit (2 semesters)
• US History or AP US History- 1 credit (2 semesters)
• US Government or AP US Government & Politics - 0.5 credit (1 semester)
• Social Studies course of student’s choice- 0.5 credit (1 semester)

Science- 3 credits total
• Biology- 1 credit (two semesters)
• Science courses of student’s choice- 2 credits (4 semesters)

Note: Class of 2019 and after needs at least 1 credit of a physical science….see page 3 for Physical Science options.

*Required for each class up to class of 2019
GRADUATION REQUIREMENTS

Additional Required Courses for Class of 2020 and After

In addition to the required courses above, students who will graduate in 2020 or after must also earn credit in the following courses, as described:

Computer Technology
  At least 0.5 credits (one semester) from the following:
  - A+
  - American Veteran Documentary & Film I
  - Computer Art: Photoshop
  - Computer Art: Illustrator
  - Computers & Internet Fundamentals
  - Fundamentals of Information Technology
  - Fundamentals of Web Design
  - Introduction to Engineering Design
  - Media Studies I
  - Microsoft Office: PowerPoint and Access
  - Microsoft Office: Word and Excel

Culture and Humanities
  At least 1 credit (two semesters) from the following:
  - Any world language course
  - Any art course
  - Any music course
  - African American History
  - American Diversity
  - Classical Humanities
  - Contemporary Humanities
  - Hispanic Heritage
  - Modern Problems
  - World History or AP World History
  - Women’s Studies

English
  At least 1 credit (two semesters) from the following:
  - AP Literature & Composition
  - British Literature**
  - College English
  - Contemporary Literature**
  - Contemporary News & Nonfiction**

Science
  In addition to 1 credit of Biology (Life Science), at least 1 credit (two semesters) are required from the following:
  - Chemistry or Honors Chemistry
  - Earth Science: Astronomy, Oceanography, & Meteorology
  - Earth Science: Geology
  - Physics or Honors Physics
  - Physical Science

** This course will be implemented during the 2019-2020 school year.
GRADUATION REQUIREMENTS

Suggested 4-Year High School Course Plan†

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course</td>
<td>Credit</td>
<td>Course</td>
<td>Credit</td>
</tr>
<tr>
<td>English 9</td>
<td>1</td>
<td>English 10</td>
<td>1</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1</td>
<td>Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>Science</td>
<td>1</td>
<td>Science</td>
<td>1</td>
</tr>
<tr>
<td>Contemporary World Studies</td>
<td>1</td>
<td>Social Studies Elective</td>
<td>0.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>Physical or Driver Education</td>
<td>0.5</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td>Health Education</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Career Development</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>1.5-2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

†The state requires students complete at least one year of Art, Business/Computer Technology, Foreign Language, Family and Consumer Science, Technical Education, or Music before receiving a high school diploma.
Student Accountability for Graduation Requirements

It is the student’s responsibility to work with the guidance counselors and administrators to calculate and track his or her credits each semester. If a student fails enough classes to endanger graduation, it is his/her responsibility to seek alternative credit (summer school, night school, correspondence, etc.). A maximum number of two credits can be earned outside of the district. These credits must be from an institution accredited by the North Central Association Commission on Accreditation and School Improvement. Students taking correspondence classes must be fourth or fifth year seniors who are behind in credits for graduation. They must assume the responsibility for all tuition and fees. The building principal or designee must approve any courses in advance of enrollment. Only in extreme circumstances will a student be allowed to take up to three credits of correspondence classes.

If a student is attending a class that is too difficult, a meeting or discussion must occur with the teacher, student, parent, and counselor to request a level change. If the participants agree that a level change is necessary, then the change can proceed. However, if the reason for the change focuses on lack of motivation, personality conflict, or poor attendance, then the change will be denied. When a change is denied, the participants at the meeting should formalize a workable strategy for student success.

Shortened Schedules

In an effort to provide a better academic foundation for our students and better prepare them for productive and successful futures, shortened schedules will only be allowed under the following conditions:

- Student is enrolled in our Co-op Program and goes to their job site
- Student is enrolled in another institution where their schedule dictates the need for a shortened schedule (i.e. RVC, Porter Scholar, CEANCI classes)
- Student’s IEP incorporates the need for a shortened schedule
- Student is homebound and unable to accommodate a full schedule
College Admission Requirements

Individual schools have specific requirements. In general, acceptance at most colleges is based upon college entrance tests such as the Scholastic Aptitude Test (SAT), class rank, high school grades, and the courses taken in high school. The following subjects have been established by the State of Illinois Board of Education as the minimum required for entrance into Illinois public colleges, with some variations for individual programs, and/or universities:

The Illinois State Board of Higher Education has established statewide minimum admission standards for public colleges and universities in Illinois. The following subjects will be required of high school students entering community colleges, transfer programs, and public universities:

- English (emphasizing written and oral communications and literature)—4 credits
- Mathematics (introductory through advanced algebra, geometry, trigonometry, and fundamentals of computer programming)—3 credits
- Science (laboratory sciences)—3 credits
- Social studies (emphasizing history and government)—3 credits
- World language, music, art, family and consumer science, business, computers, or technical education—2 credits

Students should ask for guidance from their teachers, counselor, principals, and parents. There is room for a student to change his or her mind regarding which courses he or she takes, but the further along the student goes in his or her high school career, the harder it will be to change his or her academic plan. Some courses have prerequisites, and students need to plan for those carefully. For example, a student must have successfully completed Introduction to Art and Drawing I before he or she can take Painting I.

If a student is planning to attend college, it would be wise for him or her to contact several schools to obtain admission information. Guidance counselors also have information on many colleges.
COLLEGE CREDIT

Earning College Credit

Students may have the opportunity to earn college credit by taking advanced placement, dual credit, or articulated credit courses, as described in this section.

Advanced Placement (AP) Courses

AP courses are college-level classes that are taken in high school. It is mandatory for Harlem High School students who are enrolled in AP courses to take the AP exams administered through the high school and scored by college professors in conjunction with the AP College Board. All of the following requirements also apply:

- An AP Contract must be signed by student and parent
- Students are required to pay the AP exam fees; fees will be waived for students receiving free or reduced lunch
- Make-up exams follow AP College Board regulations

Good performance on AP exams may earn students one or more of the following:

- Special consideration from colleges/universities
- College placement at a more advanced level than usual in the specific subject area of the exam
- College credits (each college/university has its own policy on advanced placement and the issuing of credit)

Harlem High School offers the following AP courses:

- AP 2D Design Studio Art
- AP Music Theory
- AP Language and Composition
- AP Literature and Composition
- AP Calculus AB
- AP Statistics
- AP Biology
- AP Chemistry
- AP Psychology
- AP US Government and Politics
- AP US History
- AP World History
- AP Spanish IV
COLLEGE CREDIT AND INDEPENDENT STUDY

Dual Credit or Career Education Associates of North Central Illinois (CEANCI) Courses

Students may take approved courses at Harlem High School in conjunction with Rock Valley College and earn credit in both schools at the same time. Students must be at senior status, and Rock Valley Accuplacer testing must be completed before taking a class. A formal application must be completed and approved by the student’s counselor and the building principal in February of the previous school year for CEANCI courses. Any Rock Valley registration fees are the student’s responsibility. This includes CEANCI offerings. Courses not completed will be counted as failed classes. Dual credit courses can only be taken at the Harlem High School campus.

Articulated Credit Courses

College credit can be received from Rock Valley College for courses taken in high school if there is an articulated agreement. Please ask a guidance counselor for more information.

Independent Study

No Independent Study will be permitted unless all similar classes in the department have been taken and a student has prior teacher and administrative approval.
GPA, CLASS RANK, AND WEIGHTED CLASSES

Grade Point Average (GPA) Calculation

Harlem High School uses a four-point system in determining GPA. GPA is determined by adding the points earned for semester grades divided by the number of semester grades received. Pass/Fail courses are not included in GPA calculation.

Class Rank Calculation

Class rank is determined by GPA and is calculated at the end of each semester.

Weighted Courses

Weighted courses are upper level or advanced courses that are awarded additional grade points for use in determining GPA. All honors and AP courses are assigned weighted grade points. No weighted grade point credit will be given for summer school, night school, correspondence courses, or independent study courses. Enrollment in a weighted/honors course is based upon previous academic performance, standardized test scores, and teacher recommendations. See a guidance counselor for information on weighted courses or for additional information on GPA.

Points are assigned as follows:

<table>
<thead>
<tr>
<th>Regular Courses</th>
<th>Weighted Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4 points</td>
</tr>
<tr>
<td>B</td>
<td>3 points</td>
</tr>
<tr>
<td>C</td>
<td>2 points</td>
</tr>
<tr>
<td>D</td>
<td>1 points</td>
</tr>
<tr>
<td>F</td>
<td>0 points</td>
</tr>
<tr>
<td></td>
<td>5 points</td>
</tr>
<tr>
<td></td>
<td>4 points</td>
</tr>
<tr>
<td></td>
<td>3 points</td>
</tr>
<tr>
<td></td>
<td>1 points</td>
</tr>
<tr>
<td></td>
<td>0 points</td>
</tr>
</tbody>
</table>
All honors and advanced placement courses are assigned weighted grade points. These courses are:

- AP 2D Design Studio Art
- AP Language and Composition
- AP Literature and Composition
- AP Calculus AB
- AP Statistics
- AP Biology
- AP Chemistry
- AP Psychology
- AP US Government and Politics
- AP US History
- AP World History
- AP Spanish IV

- Honors Contemporary World Studies
- Honors Economics
- Honors English 9 and 10
- Honors Algebra II
- Honors College Algebra
- Honors Geometry
- Honors Pre-Calculus
- Honors Trigonometry
- Honors Biology
- Honors Chemistry
- Honors Human Anatomy and Physiology
- Honors Physics
- Honors German III and IV
- Honors Spanish II and III
National Collegiate Athletic Association (NCAA) Eligibility and Registration Requirements

To play sports at an NCAA Division I or II school, a student must graduate from high school and meet the following requirements:

Academic Eligibility—Division I

1. Complete 16 NCAA core courses§ as follows:
   - English-4 years
   - Math (Algebra I or higher)-3 years
   - Natural or physical science (including one year of lab science)-2 years
   - Social studies-2 years
   - English, math, or natural or physical science-1 additional year
   - English, math, natural or physical science, social studies, foreign language, or religion-4 additional years
2. Complete 10 of the NCAA core courses, including seven in English, math, or natural or physical science, before the student’s seventh semester.
3. Earn at least a 2.3 GPA in core courses.
4. Earn an ACT sum score or SAT combined score that matches the student’s core-course GPA on the Division I sliding scale.

Academic Eligibility—Division II

Before August 1, 2018

1. Complete 16 NCAA core courses§ as follows:
   - English-3 years
   - Math (Algebra I or higher)-2 years
   - Natural or physical science (including one year of lab science)-2 years
   - Social studies-2 years
   - English, math, or natural or physical science-3 additional years
   - English, math, natural or physical science, social studies, foreign language, or religion-4 additional years
2. Earn at least a 2.0 GPA in core courses.
3. Earn an ACT sum score of 68 or an SAT combined score of 820.

After August 1, 2018

1. Complete 16 NCAA Division II core courses (listed above).
2. Earn at least a 2.2 GPA in core courses.
3. Earn an ACT sum score or SAT combined score that matches the student’s core-course GPA on the Division II sliding scale.

§Harlem High School NCAA accredited core courses are marked with the symbol § in this catalog’s course description section.
NCAA Eligibility Registration

In order to participate in Division I or II college athletics and receive athletically-based financial aid, a student must meet academic and amateurism eligibility standards and register with the NCAA Eligibility Center at www.eligibilitycenter.org.

- The student must have a valid US Social Security Number to register, and must also have a debit or credit card to pay the registration fee.
- If the student is requesting a waiver of the registration fee, he or she should indicate this in Section VII during online registration. However, the student’s registration will not be processed until the Eligibility Center receives a fee waiver confirmation from the student’s high school counselor.

Official school transcripts must be sent directly to the eligibility center from the school, and ACT/SAT test scores must be sent directly to the Eligibility Center from testing agency. The Eligibility Center code is “9999.”

Key Actions for NCAA Eligibility by Grade Level

**Grades 9 and 10**
- Check with a guidance counselor and the online core course listing to make sure the student is on track to meet eligibility requirements

**Grade 11**
- Register with the NCAA Eligibility Center
- Make sure the student is on track to meet core-course requirements
- Request ACT/SAT scores be sent to the Eligibility Center (code 9999)
- Begin the amateurism questionnaire

**Grade 12**
- Complete the amateurism questionnaire
- Sign the final authorization online by April 1 if the student is expecting to enroll in college in the fall semester
- Have Harlem High School send the NCAA Eligibility Center a final student transcript with proof of graduation

Students must be sure to look at the list of Harlem High School’s NCAA courses on the NCAA Eligibility Center’s website. Only courses that appear on this list may be used to meet NCAA eligibility requirements. In the departmental course offerings section of this catalog, NCAA accredited core courses are marked with the symbol §.
Tracking NCAA Eligibility Progress

CoreCourseGPA.com is web-based software that allows parents and student athletes to easily track a student athlete’s progress towards meeting NCAA Eligibility Center (formerly NCAA Initial-Eligibility Clearinghouse) requirements for both Division I and Division II. To activate CoreCourseGPA.com membership:

1. Go to the website by using the link above.
2. Click on “Free New Member Account” in the upper left corner.
3. Enter the Harlem High School ID (143705) and School Code (704911399) then click “Continue.”
4. Fill in the appropriate fields in the Create New Student Account form (remember to write down your member name and password).
Art offers a variety of courses ranging from *Introduction to Art*, which is an introduction of various techniques and materials, to a variety of courses that offer advanced study in specific mediums.

- **Introduction to Art**
- **Fundamentals of Web Design**
  - **Design I**
    - **Design II**
  - **Drawing I**
    - **Drawing II**
  - **Computer Art: Illustrator**
    - **Computer Art: Photoshop**
  - **Painting I**
    - **Painting II**

Complete four or more art courses including:
- *Introduction to Art*
- *Drawing I*
- *One computer art course.*

Or receive teacher approval prior to enrollment.
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Introduction to Art</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>This course is a prerequisite for all other art courses except <em>Fundamentals of Web Design</em></td>
</tr>
<tr>
<td><em>Fundamentals of Web Design</em></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Design I</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Introduction to Art</em></td>
</tr>
<tr>
<td><em>Design II</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Design I</em></td>
</tr>
<tr>
<td><em>Drawing I</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Introduction to Art</em></td>
</tr>
<tr>
<td><em>Drawing II</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Drawing I</em></td>
</tr>
<tr>
<td><em>Painting I</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Drawing I</em></td>
</tr>
<tr>
<td><em>Painting II</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Painting I</em></td>
</tr>
<tr>
<td><em>Computer Art: Illustrator</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Introduction to Art</em></td>
</tr>
<tr>
<td><em>Computer Art: Photoshop</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Introduction to Art</em></td>
</tr>
<tr>
<td><em>AP 2D Design Studio Art</em></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>Successful completion of four or more art courses including <em>Introduction to Art, Drawing I</em>, and one computer art course or teacher approval prior to enrollment</td>
</tr>
</tbody>
</table>
ART

Introduction to Art

**Prereqs:** None  
**Grades:** 9-12  
**Credits:** 0.5

**Description:** This course is designed to introduce the fundamentals of art (line, shape, form, value, color, space, and textures). Work will include perspective, drawing, painting, and design with an emphasis on accuracy and craftsmanship.

**Note:** This course is a prerequisite for all other art courses except Fundamentals of Web Design.

Fundamentals of Web Design

**Prereqs:** None  
**Grades:** 11-12  
**Credits:** 1

**Description:** Fundamentals of Web Design (Web Page and Interactive Media Development I) is a skill-level course designed to prepare students to plan, design, create and maintain web pages and sites. Students will create a multiple-page working web site of their choice using current Adobe software including Photoshop, Illustrator, and Dreamweaver. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds.

**Note:** This course may qualify for articulated credit through Rock Valley College.

**State Course ID:** 10201A001 Web Page and Interactive Media Development I

Design I

**Prereqs:** Successful Completion of Introduction to Art  
**Grades:** 9-12  
**Credits:** 0.5

**Description:** We will explore a variety of materials and techniques as they apply to design. Work will include drawing, block printing, watercolor, and ink technique. All projects will emphasize the elements of art and principles of design.

Design II

**Prereqs:** Successful completion of Design I  
**Grades:** 10-12  
**Credits:** 0.5
ART

Description: Students will work on design that focuses on pattern, shape exploration, composition, and the use of letters as a way of visual communication. An emphasis will also be placed on craftsmanship and originality. A variety of mediums will be used including colored pencil, paint, and ink.

Drawing I

Prereqs: Successful completion of Introduction to Art
Grades: 9-12
Credits: 0.5

Description: This course includes instruction in line drawing and the development of observation skills while working from life/real objects. Proportion, line quality, application of value (shading), and realism will be emphasized. The media used in this course will be primarily pencil and colored pencil.

Drawing II

Prereqs: Successful completion of Drawing I
Grades: 10-12
Credits: 0.5

Description: This course provides instruction in drawing using a variety of materials. Skills in observation, proportion, and realistic shading will be developed. Materials will include ink, scratchboard, pastels, watercolor, and colored pencil.

Painting I

Prereqs: Successful completion of Drawing I
Grades: 10-12
Credits: 0.5

Description: This course is designed to provide students with the opportunity to learn acrylic painting techniques. Instruction will cover painting terminology, color theory, and analysis and evaluation of paintings.

Note: Each student will be provided with a starter kit. Additional materials will need to be furnished by the student. Cost can range from $30 - $60.

Painting II

Prereqs: Successful completion of Painting I
Grades: 10-12
Credits: 0.5

Description: Students will have the opportunity to advance their painting skills while developing their individual styles. A diverse range of subjects will be utilized.

Note: Each student will be provided with a starter kit. Additional materials will need to be furnished by the student. Cost can range from $30 - $60.
Computer Art – Illustrator

Prereqs: Successful completion of Introduction to Art
Grades: 10-12
Credits: 0.5

Description: This course is designed to provide instruction on computers using Adobe Illustrator, a graphic arts drawing program. Students will focus on the elements of art and principles of design to complete projects exploring graphic design, optical illusions, realism and surrealism. Some projects will be designed for real school-based and community-based competitions.

Computer Art – Photoshop

Prereqs: Successful completion of Introduction to Art
Grades: 10-12
Credits: 0.5

Description: This course is designed to provide instruction on digital cameras and photo editing using Adobe Photoshop software. Students will focus on the elements and principles of art to capture and edit photos to create original compositions for a variety of projects including a creative self-portrait, surrealistic montage, airbrush project, and actual school-based and community-based competitions. Students will learn how to use digital cameras, studio lighting, and digital color printers. This Digital Graphics course provides students with the opportunity to use the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture.

State Course ID: 10202A001 Digital Graphics

AP 2D Design Studio Art

Prereqs: Successful completion of four or more art courses including:
- Introduction to Art
- Drawing I
- One computer course
Or teacher approval prior to enrollment
Grades: 12
Credits: 1

Description: This advanced placement, college accredited course, is designed to prepare students to create college-level portfolio pieces. The artwork created should show the students range of technical skill and use of a variety of mediums while applying the elements and principles of design. This is a rigorous studio style course in which students must be able to work independently in order to create original artwork that fulfills the criteria for the AP portfolio. Summer work will be encouraged. The portfolio will be sent to the AP Art Board for evaluation in the spring.

Note: Additional materials may need to be furnished by the student. Total cost will range from $40 to $70, and fee waivers will apply.
Business, Career Education, and Computer Technology

All students must successfully complete *Career Development* as a graduation requirement as well as successful completion of either *Consumer Education* or *Honors Economics* as a graduation requirement.

Business, Career Education and Computer Technology courses are offered at the high school level to prepare students for entry-level occupations in business and computer-related vocational areas or to better prepare them for further career preparation at technical or post-secondary educational institutions. Harlem students have a wide variety of business and computer-related courses to select from, depending on the interests they may have and their personal career goals.
# BUSINESS, CAREER, AND COMPUTER TECHNOLOGY

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Career Development</strong></td>
<td>0.5</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td>Successful completion of this course is required for graduation.</td>
</tr>
<tr>
<td><strong>Consumer Education</strong></td>
<td>0.5</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>Successful completion of this course or <em>Honors Economics</em> is required for graduation</td>
</tr>
<tr>
<td><strong>A+</strong></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Basic computer skills in PC environment are preferred.</td>
</tr>
<tr>
<td><strong>Accounting I</strong></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Computerized Accounting II</strong></td>
<td>1</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Accounting I</em></td>
</tr>
<tr>
<td><strong>Business Basics</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Business Law</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Business Mathematics</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Business Ownership</strong></td>
<td>1</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td><em>Business Basics</em> recommended</td>
</tr>
<tr>
<td><strong>Essential Study Skills</strong></td>
<td>0.5</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Fundamentals of Information Technology</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Computers and Internet Fundamentals</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td><em>Fundamentals of Information Technology</em> recommended</td>
</tr>
</tbody>
</table>
### BUSINESS, CAREER, AND COMPUTER TECHNOLOGY

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamentals of Web Design</strong></td>
<td>1</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Sports and Entertainment Marketing I</strong></td>
<td>0.5</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td><em>Business Basics recommended</em></td>
</tr>
<tr>
<td><strong>Sports and Entertainment Marketing II</strong></td>
<td>0.5</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td><em>Successful completion of Sports and Entertainment Marketing I</em></td>
</tr>
<tr>
<td><strong>Microsoft Office: PowerPoint and Access</strong></td>
<td>0.5</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td><em>Fundamentals of Information Technology recommended</em></td>
</tr>
<tr>
<td><strong>Microsoft Office: Word and Excel</strong></td>
<td>0.5</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td><em>Fundamentals of Information Technology recommended</em></td>
</tr>
<tr>
<td><strong>Office Internship</strong></td>
<td>0.5</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td><em>Counselor recommendation</em></td>
</tr>
</tbody>
</table>
BUSINESS, CAREER, AND COMPUTER TECHNOLOGY COURSES

Career Development

Prereqs: None
Grades: 10
Credits: 0.5

Description: Students will evaluate their individual career interests. They will build a portfolio that includes a sample job application, personal resume with reference page, letter of application, and follow-up letter. Interviewing techniques, a variety of pre-employment tips, and employer expectations will be introduced. This course will enable students to be better prepared to meet their career objectives as they continue their education or enter the world of work. Completion of an approved job shadowing experience is a course requirement.

Note: Successful completion of this course or Honors Career Development is required for graduation.

Consumer Education

Prereqs: None
Grades: 12
Credits: 0.5

Description: This course is designed to show students how to spend money wisely and to understand some of the many problems a consumer faces. The areas discussed include consumer problems and protection, money management, savings and investments, credit purchasing, budgeting, and insurance.

Note: Successful completion of this course, Honors Consumer Education, or Honors Economics is required for graduation. This course qualifies for articulated credit through Rock Valley College.

A+

Prereqs: Basic computer skills in PC environment are preferred
Grades: 10-12
Credits: 1

Description: This course provides core knowledge in the latest hardware and software technologies, information security skills, safety and environmental issues, and soft skills for career development in the IT industry. This curriculum is provided online and aligns with the new CompTIA A+ Essentials exam.

State Course ID: 10102A001 – Computer Networking 1 and 10102A002 – Computer Networking II

Accounting I

Prereqs: None
Grades: 10-12
Credits: 1

Description: Accounting I is a course that assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in
systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications is integrated throughout the course. In addition to stressing basic fundamentals and terminology of accounting, instruction provides initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field.

**Note:** This course qualifies for articulated credit through Rock Valley College.

**State Course ID:** 12104A001 – Accounting I

**Computerized Accounting II**

**Prereqs:** Successful completion of *Accounting I*

**Grades:** 11-12

**Credits:** 1

**Description:** *Accounting II* is a course that builds upon the foundation established in *Accounting I*. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk, data processing computer applications. Simulated business conditions will be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

**Note:** This course may qualify for articulated credit through Rock Valley College.

**State Course ID:** 12104A002 – Accounting II

**Business Basics**

**Prereqs:** None

**Grades:** 9-12

**Credits:** 0.5

**Description:** This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the forms of business ownership including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing,
BUSINESS, CAREER, AND COMPUTER TECHNOLOGY COURSES

administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), mathematics, and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course. This course is not intended to meet the consumer education requirement, but rather to provide preparation for the skill level courses that make up the Business, Marketing, and Management occupations programs.

Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 12001A001 – Business and Technology Concepts

Business Law

Prereqs: Successful completion of Accounting I
Grades: 10-12
Credits: 0.5

Description: This accelerated and rigorous course introduces law and the origins and necessity of the legal system; provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment; and includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and estates, community property, social security, and taxation.

State Course ID: 12054A001—Business Law

Business Mathematics

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: This course examines mathematics within the business world and introduces the practical applications of mathematics for personal use. Students will have a brief review of basic mathematics concepts before learning the fundamentals of real-life and business applications. Concepts include discounting, mark-ups and mark-downs, wages, banking, loans, the cost of doing business, and personal investing.
BUSINESS, CAREER, AND COMPUTER TECHNOLOGY COURSES

Business Ownership

Prereqs: Business Basics recommended
Grades: 11-12
Credits: 1

Description: Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 12053A001 – Entrepreneurship

Essential Study Skills

Prereqs: None
Grades: 11-12
Credits: 0.5

Description: This course is designed for students who would benefit from strengthening their study skills and learning effective strategies to increase performance and success in high school and postsecondary options. Students will learn how to use their learning styles and preferences to tailor their approach to learning; manage time effectively; increase concentration; set goals; increase motivation; reduce stress and procrastination; process, rehearse, and retrieve information from memory; strengthen test-taking skills; and strengthen college reading, note-taking and listening skills.

Fundamentals of Information Technology

Prereqs: None
Grades: 9-12
Credits: 0.5

Description: This course is designed to assure a basic level of computer literacy. Students will develop speed and accuracy with use of technology devices and forums. In addition, students will use office automation and web apps to create, format, and design common school projects.

State Course ID: 12005A001 – Keyboarding and Formatting I

Computers and Internet Fundamentals

Prereqs: Fundamentals of Information Technology recommended
Grades: 9-12
Credits: 0.5
BUSINESS, CAREER, AND COMPUTER TECHNOLOGY COURSES

Description: Computers and Internet Fundamentals (IC3) is designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will have the chance to gain The Internet and Computing Core Certification (IC³). This globally recognized certification provides both students and job seekers with the foundation of knowledge needed to excel in fields that involve computers and the Internet.

Note: This course qualifies for articulated credit through Rock Valley College.

State Course ID: 10004A001 – Computer Concepts and Software Applications

Fundamentals of Web Design

Prereqs: None
Grades: 11-12
Credits: 1

Description: Fundamentals of Web Design (Web Page and Interactive Media Development I) is a skill-level course designed to prepare students to plan, design, create and maintain web pages and sites. Students will create a multiple-page working web site of their choice using current Adobe software including Photoshop, Illustrator, and Dreamweaver. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables, frames, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds.

Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 10201A001 – Web Page and Interactive Media Development I and 10201A002 – Web Page and Interactive Media Development II

Sports and Entertainment Marketing I

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: Sports and Entertainment Marketing I is a specialized marketing course that develops student understanding of the sport/event industries, their economic impact, and products; distribution systems and strategies; pricing considerations; product/service management, and promotion. Students acquire an understanding and appreciation for planning. Throughout the course, students are presented problem-solving
situations for which they must apply academic and critical-thinking skills.

**State Course ID:** 12055A001 – Service-Oriented Marketing

**Sports and Entertainment Marketing II**

**Prereqs:** Successful Completion of *Sports and Entertainment Marketing I*

**Grades:** 10-12

**Credits:** 0.5

**Description:** *Sports and Entertainment Marketing II* is a specialized marketing course that continues student understanding of the sport/event industries. Students will develop critical thinking, decision making and communication skills through real world applications. Students will be prepared to handle specific tasks associated with either industry. This course offers students an edge if pursuing marketing or sports management degrees on the collegiate level.

**State Course ID:** 12055A001 – Service-Oriented Marketing

**Microsoft Office – PowerPoint and Access**

**Prereqs:** *Fundamentals of Information Technology* recommended

**Grades:** 10-12

**Credits:** 0.5

**Description:** Students will create and update documents, and put together slideshows, speaker notes and handouts using presentation software. Students will revise data in a stored database and use queries to create customized reports. Students will learn to conduct research on the internet and/or intranet, prepare and answer routine correspondence, organize and maintain a filing system, maintain an appointment calendar, make travel arrangements, prepare itineraries and expense reports, and prepare and process timesheets. Students will apply proper grammar, punctuation, spelling and proofreading practices to documents and reports. Accuracy will be emphasized. Workplace skills as well as communication skills will be taught and integrated throughout this course. Students will have the opportunity to take the Microsoft Office Specialist (MOS) test.

**Note:** This course qualifies for articulated credit through Rock Valley College.

**State Course ID:** 10005A002 – Information Processing II
BUSINESS, CAREER, AND COMPUTER TECHNOLOGY COURSES

Microsoft Office – Word and Excel

**Prereqs:** *Fundamentals of Information Technology* recommended
**Grades:** 10-12
**Credits:** 0.5

**Description:** Students will create and update documents using word processing software. Students will edit and utilize calculation functions in spreadsheets, integrate graphics, spreadsheets, tables, text and data into documents and reports, and create graphs and charts from spreadsheets. Students will learn to conduct research on the internet and/or intranet, prepare and answer routine correspondence, organize and maintain a filing system, maintain an appointment calendar, make travel arrangements, prepare itineraries and expense reports, and prepare and process timesheets. Students will apply proper grammar, punctuation, spelling and proofreading practices to documents and reports. Accuracy will be emphasized. Workplace skills as well as communication skills will be taught and integrated throughout this course. Students will have the opportunity to take the Microsoft Office Specialist (MOS) test.

**Note:** This course qualifies for articulated credit through Rock Valley College.

**State Course ID:** 10005A002 – Information Processing II

Office Internship

**Prereqs:** Counselor recommendation
**Grades:** 12
**Credits:** 0.5

**Description:** This course is designed to provide students interested in working in an office environment with the knowledge necessary for employment in entry-level office or clerical positions. Students will acquire knowledge of office practices, duties, and equipment. They will complete simulated tasks with real-world applications so that they can meet the expectations, demands, and develop the professionalism required in a professional setting. An emphasis will be placed on the development of personal characteristics, work attitudes, communication skills, time management, and ethics essential for success on the job.

**Note:** Excellent attendance, good keyboarding skills, and knowledge of Microsoft Office programs and Google Drive applications are recommended.
Career and Technical Education

Career and Technical Education is a pathway to employment, technical institutions, or a four-year college degree. CTE includes technical knowledge and soft skills that today’s employers demand for employment opportunities. CTE provides students with career options and information for the decisions concerning their future. CTE offers experiences through which students can understand the industrial and technical aspects of today’s world.

The goal of each Career and Technical Education program is to familiarize students with manufacturing, industrial tools, processes and procedures for each student to gain knowledge and insight into career choices. This training and learning may serve as preparation for technical college or for immediate employment. These programs are the building blocks for career choices in the diverse fields of manufacturing and engineering.
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Technology</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Recommended as first industrial technical education course</td>
</tr>
<tr>
<td>Drafting I</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Industrial Technology recommended</td>
</tr>
<tr>
<td>Drafting II</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Drafting I</td>
</tr>
<tr>
<td>Electricity I</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Industrial Technology recommended</td>
</tr>
<tr>
<td>Electricity II</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Electricity I or teacher recommendation</td>
</tr>
<tr>
<td>Small Gas Engines</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Industrial Technology recommended</td>
</tr>
<tr>
<td>Automotive Technology I</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Small Gas Engines and teacher recommendation</td>
</tr>
<tr>
<td>Automotive Technology II</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Automotive I and teacher recommendation</td>
</tr>
<tr>
<td>Automotive Technology III</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Automotive II and teacher recommendation</td>
</tr>
<tr>
<td>Automotive Technology IV</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Automotive III and teacher recommendation</td>
</tr>
<tr>
<td>Welding I</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Industrial Technology recommended</td>
</tr>
<tr>
<td>Welding II</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Welding I or teacher approval</td>
</tr>
<tr>
<td>Course</td>
<td>Credit</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>Prerequisite</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>--------</td>
<td>---</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>Welding III</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Welding II or teacher approval</td>
</tr>
<tr>
<td>Welding IV</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Welding III or teacher approval</td>
</tr>
<tr>
<td>Introduction to Engineering Design</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Principles of Engineering</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Introduction to Engineering Design</td>
</tr>
</tbody>
</table>

**Project Lead the Way**

Project Lead the Way (PLTW) Engineering and Biomedical Sciences programs offer students an array of advantages, from career readiness and hands-on experience to college preparatory-level courses, labs, and creative exercises. PLTW students succeed in the classroom and in life.

These programs are designed to appeal to all students, from those already interested in STEM-related fields, to those whose experience in the sciences and mathematics has been less comprehensive or who find themselves uninterested in traditional STEM curricula. PLTW courses are hands-on, based in real-world experience and fun for students and teachers. The highest standards are set for rigorous, focused, and engaging study, and develop students' innovative, collaborative, cooperative, and problem-solving skills.
CAREER AND TECHNICAL EDUCATION

Industrial Technology

Prereqs: None
Grades: 9-12
Credits: 1

Description: In each phase of this course students will gain knowledge through classroom participation and hands-on activities. During the communication unit, areas of study may include design, drafting, graphic arts, photography, computers, broadcasting, and telecommunications. The energy utilization unit includes harnessing, converting, transmitting, storing, and conserving energy. Managing, researching, developing, producing, marketing, and servicing parts are included in the production technology segment. The curriculum in transportation technology explores units in air, land, water, space, and underground movement of people and materials.

State Course ID: 21052A002 – Introduction to Technology and Engineering (Industrial)

Drafting I

Prereqs: Industrial Technical Education recommended
Grades: 10-12
Credits: 0.5

Description: This course is designed to give students instruction and experience in the correct use of drafting equipment and an understanding of basic drafting principles. Areas of study include lettering, use of instruments, geometric construction, sketching, pictorials, dimensioning, and preparation of working drawings.

Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 21102A002 – Beginning Drafting

Drafting II

Prereqs: Successful completion of Drafting I
Grades: 10-12
Credits: 0.5

Description: In this course, emphasis is placed on the student’s understanding and application of drafting principles. Areas of study include instrument drawing, lettering, geometric construction, sketching, multi-view projection, shop processes, and dimensioning. Approximately 80 percent of all drawings will be completed on a CAD system.

Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 21102A002 – Beginning Drafting
Electricity I

Prereqs: Industrial Technology recommended
Grades: 10-12
Credits: 0.5

Description: This course introduces the basic principles of direct current (DC) electricity. Areas of study include work and energy; electron movement; conductors and insulators; electrical symbols; Ohm’s Law of Voltage, Current, and Resistance; DC series; and parallel circuits. Soldering and wire-splicing skills are introduced. Use of test equipment is practiced. Daily labs are used to present this course material.

State Course ID: 17102A003 – Electrical Trades I

Electricity II

Prereqs: Successful completion of Electricity I or teacher recommendation
Grades: 10-12
Credits: 0.5

Description: This course introduces basic principles of alternating current (AC) electricity. Areas of study include magnetism, magnets and electromagnets; generators and motors; inductors and capacitors; Ohm’s Law of Voltage, Current, and Reactance; AC series; and parallel circuits. An electronics project is built at the end of this course as a practical application of skills learned in

Electricity I and II. Labs are used to present course material.

State Course ID: 17102A003 – Electrical Trades I

Small Gas Engines

Prereqs: Industrial Technology recommended
Grades: 10-12
Credits: 0.5

Description: Small Gas Engines is a prerequisite for the automotive program. The small gas engine course is used to teach basic automotive principles. Students will study engine part identification, construction, and principles of operation of the internal combustion engine as related to the automotive industry. Students will be instructed using related engine testing and service equipment. Each student will complete hands-on lab/class activities using engine parts, hand tools, worksheets, and study guides. All student activities are designed to help reinforce student study skills, performance, and occupational survival skills.

State Course ID: 20110A001– Small Engine Repair I
Automotive Technology I

Prereqs: Successful completion of Small Gas Engines and teacher recommendation

Grades: 10-12

Credits: 1

Description: This course covers Introduction to Brakes/Chassis Systems. Students will study automotive suspension/steering, brake systems, and vehicle service. Safety in the use of automotive hand tools, equipment, and chemicals is also covered. Students will complete automotive theory and performance tasks for initial employment in the automotive service field or further training at the post-secondary level.

Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 20104A001 – Automotive Technician I

Automotive Technology II

Prereqs: Successful completion of Automotive I and teacher recommendation

Grades: 11-12

Credits: 1

Description: This course covers Introduction to Brakes/Chassis Systems. Students will study automotive suspension/steering, brake systems, and vehicle service.

Note: This course may qualify for articulated credit through Rock Valley College.

Automotive Technology III

Prereqs: Successful completion of Automotive II and teacher recommendation

Grades: 11-12

Credits: 1

Description: This course covers Introduction to Electrical Systems/Engine Performance. Students will study basic engine repair, automatic/manual drive train, electrical/electronic systems, engine performance, heating/air conditioning, and vehicle service. In addition, students will study, safety in the use of automotive hand tools, equipment, and chemicals. Students will complete automotive industry theory and performance tasks for initial employment in the automotive service field or further training at the post-secondary level.

Note: This course may qualify for articulated credit through Rock Valley College.
### Automotive Technology IV

**State Course ID:** 20104A002 - Automotive Technician II

#### Prereqs:
Successful completion of Automotive III and teacher recommendation

#### Grades:
11-12

#### Credits:
1

**Description:** This course covers an introduction to electrical systems/engine performance. Students will study basic engine repair, automatic/manual drive train, electrical/electronic systems, engine performance, heating/air conditioning, and vehicle service. In addition, students will study, safety in the use of automotive hand tools, equipment, and chemicals. Students will complete automotive industry theory and performance tasks for initial employment in the automotive service field or further training at the post-secondary level.

**Note:** This course *may* qualify for articulated credit through Rock Valley College.

### Welding I

**State Course ID:** 20104A002 - Automotive Technician II

#### Prereqs:
*Industrial Technology* recommended

#### Grades:
10-12

#### Credits:
1

**Description:** This course will introduce the welding student to the high technology used in today’s welding industry. The welding student can expect many hands-on types of welding and related activities. These areas of instruction are oxyfuel welding (OFW), shielded metal arc welding (SMAW), and metal inert gas welding (MIG) processes in the flat position. The use of mechanical and oxyfuel cutting (OFC) equipment will be introduced. Other welding topics covered will be basic blueprint reading, metallurgy, welding codes and symbols along with the basic hand tool and power equipment instruction as used in the welding industry. Student safety will be stressed at all times.

**Note:** This course *may* qualify for articulated credit through Rock Valley College.

### Welding II

**State Course ID:** 13207A001 – Welding Technology I

#### Prereqs:
Successful completion of Welding I or teacher approval

#### Grades:
10-12

#### Credits:
1

**Description:** This course will introduce the welding student to the high technology used in today’s welding industry. The welding student can expect many hands-on types of welding and related activities. These areas of instruction are oxyfuel welding (OFW), shielded metal arc...
welding (SMAW), and metal inert gas welding (MIG) processes in the flat position. The use of mechanical and oxyfuel cutting (OFC) equipment will be introduced. Other welding topics covered will be basic blueprint reading, metallurgy, welding codes and symbols along with the basic hand tool and power equipment instruction as used in the welding industry. Student safety will be stressed at all times.

Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 13207A001 – Welding Technology I

Welding III

Prereqs: Successful completion of Welding II or teacher approval

Grades: 11-12

Credits: 1

Description: This is a two-semester welding course that will introduce the student to welding in the horizontal position as used in the welding industry. Special emphasis will be placed on welding safety. The welding student can expect many hands-on welding activities using shielded metal arc welding (SMAW) and metal inert gas welding (MIG) processes in the horizontal position. The use of the plasma arc cutting (PAC) equipment and tungsten inert gas welding (TIG) will be introduced at this time with the continuation of blueprint reading, metallurgy, welding codes and symbols, and basic hand tool and power equipment usage.

Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 13207A002 – Welding Technology II

Welding IV

Prereqs: Successful completion of Welding III or teacher approval

Grades: 11-12

Credits: 1

Description: This is a two-semester welding course that will introduce the student to welding in the horizontal position as used in the welding industry. Special emphasis will be placed on welding safety. The welding student can expect many hands-on welding activities using shielded metal arc welding (SMAW) and metal inert gas welding (MIG) processes in the horizontal position. The use of the plasma arc cutting (PAC) equipment and tungsten inert gas welding (TIG) will be introduced at this time with the continuation of blueprint reading, metallurgy, welding codes and symbols, and basic hand tool and power equipment usage. Upon completion of the Welding Program, students will be adept in the field of Welding and Metal Fabrication. These courses will prepare them to join today's welding industry.
Note: This course may qualify for articulated credit through Rock Valley College.

State Course ID: 13207A002 – Welding Technology II

Introduction to Engineering Design

Prereqs: None
Grades: 9-12
Credits: 1

Description: This course covers the basics of all Computer Aided Drafting (CAD) software including Inventor and Revit as it relates to the foundation of all drafting principles. Students will use computer hardware, plotters and blueprint machines to complete and generate drawings. CAD commands and menus will be used to draw geometric constructions, orthographic drawings, pictorials, auxiliary views, sectional views and revolutions. The application of research skills and mathematics skills will be stressed. Course content also will include architectural drafting concepts and mechanical engineering design concepts.

State Course ID: 21006A001 – Introduction to Engineering Design

Note: Students can take this course for high school and Rock Valley College credit. A tuition fee may be charged by Rock Valley College. IED fulfills the computer education graduation requirement.

This is an accredited Project Lead the Way course.

Principles of Engineering

Prereqs: Introduction to Engineering Design
Grades: 10-12
Credits: 1

Description: This course will introduce the student to the basic fundamentals of drafting while concentrating on mechanical drafting and its techniques. The content of the course covers the method of transferring one’s ideas to paper and computer. Drafting and the languages of industry are covered in detail. Typical duty areas covered may include planning and organizing activities, preparing sketches, performing basic layouts and detailing drawings. Basic introduction to Computer Aided Drafting (CAD) will be presented throughout the year to introduce a variety of drafting skills and techniques such as; sketching, lettering, alphabet of lines, measurements, geometry, size and shape description, sectioning, pictorials, CAD drafting, Principles of Engineering, hand-on projects and use of inventor software.

State Course ID: 21004A001 – Principles of Engineering

Note: Students can take this course for high school and Rock Valley College credit. A tuition fee may be charged by Rock Valley College. POE fulfills the computer education graduation requirement.

This is an accredited Project Lead the Way course.
Driver Education

The purposes of the Driver Education division are to demonstrate the following:

- safe and consistent skills of properly-timed actions under varying road and traffic conditions based on decisions which are dependent upon sound judgments, realistic perceptions, and learned information.
- knowledge and application of traffic laws and rules.
- knowledge of vehicle operation, limitations, and maintenance.
- efficient visual habits for recognizing key events or clues in given traffic situations to make appropriate time-speed-distance estimates for decision-making actions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Driver Education</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Consent of parent/legal guardian. Fifteen years of age prior to course ending. The State requires an instructional permit (which upon successful course completion and State Driving exam, would be converted to a 4-year Illinois Driver’s License). The State has established the required fee. A student must earn a minimum of 4 credits during the previous two semesters.</td>
</tr>
</tbody>
</table>
Driver Education

**Prereqs:** Consent of parent/legal guardian; fifteen years of age prior to course ending; state instructional permit; student must earn a minimum of 4 credits during the previous two semesters

**Grades:** 10-12

**Credits:** 0.5

**Description:** This course is integrated to present safe driving skills with properly-timed actions, in conjunction with developed perception techniques, and defensive driving attitudes and concepts. The students will learn to operate vehicles safely and consistently in the highway transportation system. Principal areas of instruction include: obeying traffic controls; learning basic car control; vehicle control within natural laws; driving strategies; basic car maneuvers; interacting at intersections; following and meeting traffic; driving in cities and on open highways and expressways, including handling adverse conditions and emergencies; physical, emotional, drug, and alcohol effects on driving; maintaining, buying, and insuring a car. The State requires a minimum of 30 hours of driver education classroom instruction and a minimum of 6 hours of behind-the-wheel instruction with a satisfactory grade, respectively, to qualify for the Illinois State Board of Education “Certificate of Satisfactory Course Completion,” prior to application for an Illinois Driver License. This must be completed within two years from the date of the Instructional Permit.

Enrollment preference in driver education will be given to those students who are taking the course for the first time over those who are repeating the course and students will be assigned based on grade and birth date. Credit will be given for the classroom portion of driver education and a separate grade (pass/fail) will be given for the behind-the-wheel portion of the course.

Students under the age of 18 who drop out of school are no longer eligible for a graduated driver’s license. No student under the age of 18 who is a chronic or habitual truant will be issued an instruction permit. If a student under the age of 18 already possesses a driver’s license at the time he or she drops out of school, the Secretary of State shall cancel the student’s license.

(P.A. 94-916; effective July 1, 2007)
English

All students must pass English 9, English 10, American Literature, and a senior English course, or AP Language and Composition, AP Literature and Composition, or College English as a graduation requirement. All students must pass English 9 or Honors English 9; English 10 or Honors English 10; American Literature or AP Language and Composition; and English 12, College English, or AP Literature and Composition in order to graduate.
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>English 9 §</em></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Honors English 9 §</em></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Directed Study Reading 9</em></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>English 10 §</em></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Honors English 10 §</em></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>Successful completion of <em>Honors English 9 or English 9</em></td>
</tr>
<tr>
<td><em>Directed Study Reading 10</em></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Drama</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Honors English 9 or English 9</em></td>
</tr>
<tr>
<td><em>Creative Writing §</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Film as Literature</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Speech §</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Honors English 9 or English 9</em></td>
</tr>
<tr>
<td><em>Women’s Studies</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Introduction to Mass Communication</em></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>American Literature §</em></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

§NCAA accredited core course
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AP Language and Composition §</strong></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>Successful completion <em>Honors English 10</em> or <em>English 10</em></td>
</tr>
<tr>
<td><strong>Directed Study Reading 11</strong></td>
<td>0.5</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>IMC Exploration</strong></td>
<td>0.5</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Yearbook I</strong></td>
<td>1</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Yearbook II</strong></td>
<td>1</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td>Successful completion of <em>Yearbook I</em> and teacher approval</td>
</tr>
<tr>
<td><strong>English 12 §</strong></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>AP Literature and Composition §</strong></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>Successful completion of <em>AP Language and Composition</em> or <em>American Literature</em></td>
</tr>
<tr>
<td><strong>College English §</strong></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>Successful completion of <em>AP Language and Composition</em> or <em>American Literature</em></td>
</tr>
<tr>
<td><strong>British Literature</strong></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>This course will be implemented during the 2019-2020 school year.</td>
</tr>
<tr>
<td><strong>Contemporary Literature</strong></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>This course will be implemented during the 2019-2020 school year.</td>
</tr>
<tr>
<td><strong>Contemporary News and Nonfiction</strong></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>This course will be implemented during the 2019-2020 school year.</td>
</tr>
</tbody>
</table>

§NCAA accredited core course
## ENGLISH COURSES

### English 9§

<table>
<thead>
<tr>
<th>Prereqs:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades:</td>
<td>9</td>
</tr>
<tr>
<td>Credits:</td>
<td>1</td>
</tr>
</tbody>
</table>

**Description:** This survey course consists of study in the areas of literature, grammar, and composition. Literature is studied by type: short story, drama, poetry, mythology, and novel. Grammar includes a review of the parts of speech, sentence structure, and preferred usage. Composition consists of effective communication and construction of the sentence, paragraph, and theme. Spelling and vocabulary study are incorporated into all three areas. This is a writing-intensive course.

**Note:** Successful completion of this course or Honors English 9 is required for graduation.

### Honors English 9§

<table>
<thead>
<tr>
<th>Prereqs:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades:</td>
<td>9</td>
</tr>
<tr>
<td>Credits:</td>
<td>1</td>
</tr>
</tbody>
</table>

**Description:** This is a rigorous course. Some formal grammar study is covered, but most of the student’s grammar is critiqued through his/her writing. Vocabulary study is required. Students study short stories, novels, mythology, drama, and poetry. Numerous compositions designed to develop critical thinking skills are required. This is a writing-intensive course.

**Note:** Successful completion of this course or English 9 is required for graduation.

### Directed Study Reading 9

<table>
<thead>
<tr>
<th>Prereqs:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades:</td>
<td>9</td>
</tr>
<tr>
<td>Credits:</td>
<td>1</td>
</tr>
</tbody>
</table>

**Description:** This is an academic intervention course meant to strengthen literacy skills and improve academic performance.

### English 10§

<table>
<thead>
<tr>
<th>Prereqs:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades:</td>
<td>10</td>
</tr>
<tr>
<td>Credits:</td>
<td>1</td>
</tr>
</tbody>
</table>

**Description:** This survey course consists of study in the areas of literature, grammar, composition, and speech fundamentals. Literature is studied by type: short story, drama, poetry, and novel. Written communications skill is developed through grammar review and vocabulary study. This is a writing-intensive course.

**Note:** Successful completion of this course is required for graduation.

### Honors English 10§

<table>
<thead>
<tr>
<th>Prereqs:</th>
<th>Successful completion of Honors English 9 or successful completion of English 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades:</td>
<td>10</td>
</tr>
<tr>
<td>Credits:</td>
<td>1</td>
</tr>
</tbody>
</table>

§NCAA accredited core course
ENGLISH COURSES

**Description:** Geared for the advanced student, this course hones skills acquired from *Honors English 9*. A brief review of grammar is given; however, most skills are critiqued through the student’s writing. In addition to vocabulary study, the student concentrates on novels, short stories, drama, and poetry. A formal research project is required. This is a writing-intensive course.

**Note:** Successful completion of this course or *English 10* is required for graduation.

**Directed Study Reading 10**

**Prereqs:** None  
**Grades:** 10  
**Credits:** 1  

**Description:** This is an academic intervention course meant to strengthen literacy skills and improve academic performance.

**Drama**

**Prereqs:** Successful completion of *English 9*  
**Grades:** 10-12  
**Credits:** 0.5  

**Description:** This course is designed to acquaint students with the theoretical principles of acting, improvisation, directing, costuming, and ancient, Shakespearian, and modern drama. A survey of theater history and dramatic literature provides a basis for informed critical viewing and for future studies in theater.

**Creative Writing**

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5  

**Description:** In this course, students explore the art and craft of creative writing. Time is spent on a variety of creative genres including poetry, fiction, and creative non-fiction. Students critique and edit written work as they develop a portfolio of original writing for personal or professional use. This is a writing-intensive course with an emphasis on developing each student’s individual writing style.

---

$^\text{§NCAA accredited core course}$
ENGLISH COURSES

Film as Literature

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: This semester-long course is designed to give the student an overview of the principle pieces of film and their connections to an existence in the world of literature. In this course, students will learn basic film terminology and principles in an effort to use those terms and principles to critically analyze film as literature. This course will also compare film to literature focusing on analysis of fiction and non-fiction and comparisons of modern to classic literature and film. Writing is required, primarily in the form of essays.

Speech

Prereqs: Successful Completion of English 9 or Honors English 9
Grades: 10-12
Credits: 0.5

Description: This semester-long course is an introduction to communication, public speaking, and debate. The students will start with communication basics and group discussion as a basis for public speaking. They will develop formal and informal speeches and debates that will be delivered in various formats.

Women’s Studies

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: This semester-long course introduces students to representative texts by and about women from historical, social, and literary perspectives. Students will examine how works from a variety of genres address the changing perspectives of female writers along with evolving attitudes towards women from the 19th century to the present day. This reading- and writing-intensive course.

Introduction to Mass Communication

Prereqs: None
Grades: 10-12
Credits: 1

Description: This course is designed to introduce students to the world of media and mass communications. Journalistic writing is very different from writing in other English courses. Students will learn how to write for both print and television media, as well as learning the laws and ethics of journalism. In addition, the students will learn the basic composition of photography and will take photographs for yearbook publication. Students will learn marketing techniques and develop an advertising campaign designed for print and television.

$NCAA accredited core course
ENGLISH COURSES

American Literature

Prereqs: None
Grades: 11
Credits: 1

Description: This course includes instruction in grammar, in conjunction with writing, composition, and vocabulary. It also covers development of reading skills, enhancement of communication skills, and continued study of literary works. The literature studies the major themes and concerns of American writers in our national culture. This is a writing-intensive course.

Note: Successful completion of this course is required for graduation.

AP Language and Composition

Prereqs: Successful completion of Honors English 10 or English 10
Grades: 11
Credits: 1

Description: This is a college-level course, with an emphasis on American texts, that challenges students to become more thoughtful, critical readers and writers. Students will analyze a variety of rhetoric, including narratives, essays, and dramatic works, in an effort to understand and articulate the relationship between a writer’s purpose and his audience. Visual media works, such as paintings and photographs, will be studied in this context as well. All students are expected to complete the AP exam in the spring. This is a writing-intensive course.

Note: Successful completion of this course or American Literature is required for graduation.

Directed Study Reading 11

Prereqs: None
Grades: 11
Credits: 0.5

Description: This is a semester-long, academic intervention course meant to strengthen literacy skills and improve academic performance.

IMC Exploration

Prereqs: None
Grades: 11-12
Credits: 0.5

Description: This course is designed to provide the student with both an opportunity to experiment with a wide variety of literary experiences as well as to become familiar with the basic principles of librarianship and library organization. During the course of the semester, students will be expected to read and review six literary works assigned by the teacher. A final, including a hands-on shelving exam, will be given. Additionally, students are expected to provide assistance to students at the counter with checking out materials, selling items from the school store, reshelving materials, and other...

§NCAA accredited core course
ENGLISH COURSES

Yearbook I

Prereqs: None
Grades: 11-12
Credits: 1

Description: This course is designed to be an introduction to journalism. By applying the journalistic concepts and principles learned in this course, students will be responsible for producing the high school yearbook. Students are required to be self-motivated, able to work within and keep strict deadlines, and also be able to work within and keep strict deadlines, and also be able to work collaboratively as a team to accomplish “real-world” goals of the newsroom. This is a writing-intensive course with an emphasis on print-media production. Skills learned in this course include: creative writing, aesthetic decision making, advertising, layout and design, and promotion and sales.

Yearbook II

Prereqs: Successful completion of Yearbook I and teacher approval
Grades: 11-12
Credits: 1

Description: This course is designed to be a continuation of Yearbook I. Students will develop higher-level journalistic skills necessary to produce the high school yearbook. Although it is not required, students who take this course are encouraged to be production leaders. Students who are interested can apply for an editor position. This is a writing intensive course.

English 12

Prereqs: None
Grades: 12
Credits: 1

Description: This course includes instruction in writing and composition. It is designed to enhance student’s critical reading and writing skills in preparation for college or the workplace. The literature studies the major themes and concerns of British writers. This is a writing-intensive course with formative and summative assessments used to determine proficiency.

Note: Successful completion of this course or College English or AP Literature and Composition is required for graduation.

AP Literature and Composition

Prereqs: Successful completion of AP Language and Composition or successful completion of American Literature
Grades: 12
Credits: 1

Description: This is a reading- and writing-intensive, college-level course. Emphasis is on literary analysis,
ENGLISH COURSES

varieties of literary criticism, and analytical writing. During the summer preceding the course, students will be required to read three novels or major plays and actively and thoughtfully participate in an online discussion board monitored by the teacher. During the academic year, we will read extensively from British literature, write extensively both inside and outside of class, examine past AP multiple choice and essay questions, and study grammar, vocabulary, and literary terms in preparation for the AP exam in early May. Primary course assessments are reading exams and quizzes, reading journals and text annotations, and analytical essays, but all students are also expected to take the AP exam as a requirement of this course.

College English§

Prereqs: Successful completion of AP Language and Composition or American Literature
Grades: 12
Credits: 1

Description: This course teaches students to write effectively at the college level by emphasizing writing as a process. A cornerstone of this process is revision: Students will have the opportunity to revise a majority of their papers to enhance writing skills. Throughout the semester, students will write narrative, comparison, descriptive, analytic, and argument based essays. The course culminates with a rigorous portfolio project requiring students to gather their previous papers and reflect on their growth as writers. Necessary attention is devoted to English grammar and usage to prepare students for the College Level Examination Program (CLEP) Exam. Students earning 50 points or higher on this 80-point exam typically earn 3 college credits at most collegiate institutions.

Note: Successful completion of this course or English 12 or AP Literature and Composition is required for graduation.

British Literature*

Prereqs: none
Grades: 12
Credits: 1

Contemporary Literature*

Prereqs: none
Grades: 12
Credits: 1

Contemporary News and Nonfiction*

Prereqs: none
Grades: 12
Credits: 1

*: This course will be implemented during the 2019-2020 school year.

§NCAA accredited core course
Family and Consumer Science

The mission of the Family and Consumer Science department is to strengthen individuals, families, and the community through education. Much of the subject matter in the courses applies to gainful employment as well as personal use. Skills in the field frequently lead to rewarding occupations.
# FAMILY AND CONSUMER SCIENCE

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Introduction to Family and Consumer Science</em></td>
<td>0.5</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Food and Nutrition</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Introduction to Foods and Nutrition</em></td>
</tr>
<tr>
<td><em>Nutrition and Wellness</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Culinary I</em></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Culinary I</em> and a food handler license. Concurrent enrollment in <em>Culinary II: Work Experience</em> recommended</td>
</tr>
<tr>
<td><em>Culinary II</em></td>
<td>1</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Concurrent enrollment in <em>Culinary II</em> and teacher approval. Must be at least 16 years of age and employment must be maintained throughout the year</td>
</tr>
<tr>
<td><em>Culinary II: Work Experience</em></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Clothing, Textiles, and Design I</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Clothing, Textiles, and Design II</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Clothing, Textiles, and Design I</em></td>
</tr>
<tr>
<td><em>Fashion and Design</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Fashion and Design Co-op</em></td>
<td>0.5</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>Teacher recommendation and successful completion of two semesters of Family and Consumer Science courses</td>
</tr>
<tr>
<td>Course</td>
<td>Credit</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>Prerequisite</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>--------</td>
<td>---</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><em>Human Development</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Human Development</em> (formerly known as Child Development)</td>
</tr>
<tr>
<td><em>Early Childhood Education</em></td>
<td>1</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of both semesters of <em>Early Childhood Education</em> and ECE credential. Must also have medical screening, 2-part TB test, fingerprinting, and background check.</td>
</tr>
<tr>
<td><em>Child and Daycare Services: Centers</em></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>Successful completion of both semesters of <em>Early Childhood Education</em> and ECE credential.</td>
</tr>
<tr>
<td><em>Child and Daycare Services: Schools</em></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>Successful completion of both semesters of <em>Early Childhood Education</em> and ECE credential.</td>
</tr>
</tbody>
</table>
FAMILY AND CONSUMER SCIENCE COURSES

Introduction to Family and Consumer Science

Prereqs: None
Grades: 9
Credits: 0.5

Description: This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and hands on experiences in the following content areas: nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; and interpersonal relationships and life management skills.

Note: Students cannot take this course if they have already completed another Family and Consumer Science course.

State Course ID: 22201A001 – Introduction to Family and Consumer Science Careers

Food and Nutrition

Prereqs: None
Grades: 9-12
Credits: 0.5

Description: This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompass: food service and preparation management using the decision making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning /preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.

State Course ID: 16054A001 – Nutrition and Culinary Arts I

Nutrition and Wellness

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: This course will concentrate on expanding student’s knowledge and experiences with nutrition concepts, food science, and healthy lifestyles. Nutritional analysis, nutrient functions, food allergies, diet and disease, menu analysis, energy and wellness, meal planning and management, nutritional needs across the life span, impacts of science and technology on nutrition and wellness issues, and food safety and sanitation management are topics covered in this course through theory, projects, and laboratory experiences. Students will gain experience in preparing a variety of methods to teach the importance nutrition and wellness.
FAMILY AND CONSUMER SCIENCE COURSES

State Course ID: 16054A003 – Nutrition and Wellness Occupations

Culinary I

Prereqs: Successful completion of Introduction to Food and Nutrition
Grades: 10-12
Credits: 1

Description: This course provides terminology, culinary mathematics, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry recognized food handler license. Classroom experiences will develop skills to work in the front of the house, back of the house, and work stations. Additional content may include: event planning, customer service and relations, food service styles, baking and pastry arts, stocks, sauce, and soup. Students will be provided opportunity training experiences on commercial equipment. Pro-Start Program is incorporated into the curriculum as well as Family Career Community Leaders of America. (FCCLA)

State Course ID: 16052A001 – Culinary Occupations I

Culinary II

Prereqs: Successful completion of Culinary I, and obtained food handler license. Concurrent enrollment in Culinary II: Work Experience recommended
Grades: 11-12
Credits: 1

Description: Culinary II places special emphasis for students to develop operational management skills - including design and organization of food service systems in a variety of settings, human relations, and personnel training and supervision. Additional topics include: food cost accounting; taking inventory; advertising; monitoring consumer and industry trends; and individualized mastery of culinary techniques. Training experiences involve equipment and facilities simulating those found in business and industry. Family Career Community Leaders of America (FCCLA) organization is incorporated into the curriculum as well. Students will participate in ProStart and FCCLA competitions. Students will earn their food service manager sanitation certificate through ServSafe and the State of Illinois.

State Course ID: 16052A001 – Culinary Occupations I
FAMILY AND CONSUMER SCIENCE COURSES

Culinary II – Work Experience

Prereqs: Concurrent enrollment in Culinary II and teacher approval. Must be at least 16 years of age and employment must be maintained throughout the year.

Grades: 12

Credits: 1

Description: Culinary II: Work Experience is designed to assist students in the development of skills and attitudes through practical, advanced instruction in school and on the job. Students will spend a minimum of 10 hours a week on the job supervised by the training sponsor. A training plan will be developed to identify on-the-job work experience and classroom instruction to assist the student in gaining the necessary knowledge to be successful in the workplace. Based on student’s credit status, students may be released early from the school day to report to their paid training station. Students must be in a culinary-related work field throughout the year to earn the credit.

State Course ID: 16055A001 – Culinary Occupations II

Clothing, Textiles, and Design I

Prereqs: None

Grades: 9-12

Credits: 0.5

Description: This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project based learning experiences students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles. Students will provide their own supplies and fabrics for each project.

State Course ID: 19201A001 – Textiles and Design I

Clothing, Textiles, and Design II

Prereqs: Successful completion of Clothing, Textiles and Design I

Grades: 10-12

Credits: 0.5

Description: This project-based course focuses on the implementation and recognition of design principles in selecting, constructing, altering, and remodeling textile products. Project management skills, including efficient use of time, materials, technique, and tools are incorporated throughout the course. Topics include: engineered fabric constructions; fiber and textile trends; color theory; principles of design; fabric finishes; industry construction techniques; use of industry tools, equipment, and terminology; knowledge of resources and vendors; research and evaluation of textile products for special
needs populations; impacts of technology; construction, alteration and re-design skills; and simple flat pattern design and recognition.

**State Course ID:** 19201A001 – Textiles and Design I

**Fashion and Design**

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5

**Description:** This course focuses on the application of research techniques to understand the cultural, environmental, and psychological aspects of textile products as related to the customer needs. This course develops skills to research and apply knowledge of a product for the textile and design industry through hands-on, problem based learning experiences and projects. Topics include: product knowledge and promotion; industry trends and style; industry specific terminology; marketing campaigns; current technology; and visual merchandising displays. Emphasis is placed on the development of a variety of communication techniques necessary in the promotion of products and the formation of client relationships. Students will participate in creating running an embroidery business. Interest in the fashion industry is suggested. Family Career Community Leaders of America (FCCLA) organization is incorporated into the curriculum as well. Students will be given the option to participate in FCCLA competition.

**State Course ID:** 12153A001 – Fashion Merchandising and Design Co-op

**Prereqs:** Must have teacher recommendation and successfully completed two semesters of Family and Consumer Science courses  
**Grades:** 11-12  
**Credits:** 0.5

**Description:** This course is designed to assist students in the development of skills and attitudes through practical, advanced instruction in school and on the job. Students will spend a minimum of ten hours a week in on-the-job training supervised by the training sponsor and coordinated by the teacher-coordinator. A training plan is developed jointly by the teacher-coordinator, training sponsor, and student which identifies the on-the-job work experiences and skills to be taught. Interest in the fashion industry suggested. Based on student’s credit status, students may be released early from the school day to report to their paid training station.

**State Course ID:** 22153A002 – Home Economics Related Occupations

**Human Development**

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5

**Description:** *Human Development* addresses the knowledge, skills, attitudes, and behaviors associated
with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children up to preschool age. Students will explore opportunities in human services and education-related careers and develop a career portfolio.

**State Course ID:** 19052A001 – Child Development and Parenting

**Early Childhood Education**

**Prereqs:** Successful completion of *Human Development*

**Grades:** 11-12

**Credits:** 0.5

**Description:** This course prepares students to guide the development of young children in an educational setting through a classroom and preschool lab experience. Course content includes child development, care, and education issues. Project-based learning experiences include planning and teaching developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. Students will research the requirements of early childhood education careers and develop/expand their career portfolio. Students will earn a level 1 ECE credential through the State of Illinois after successful completion of all modules. Students must have an interest in children, have regular attendance, and be a role model to preschool ages children.

**State Course ID:** 19153A001 – Early Childhood Education Service Learning

**Child and Daycare Services – Centers**

**Prereqs:** Successful completion of *Early Childhood Education* and ECE credential. Must have medical screening, 2-part TB test, fingerprinting, and background check.

**Grades:** 12

**Credits:** 1

**Description:** This course provides students with information and practical experiences needed for the development of competencies related to child/adult care, day care, and other education services occupations. Laboratory experiences, either in a school-based or worksite learning facility, are included throughout the course. Students meet standards in developing programs and assisting with children's and/or adult's activities. Classroom study includes the philosophy and management of care centers and the state and local regulations governing care-giving operations. The learning experiences will involve working with children/adults simulating those found in business and industry, as well as preparation for developing and facilitating these activities. This course will be in a day care setting.

**State Course ID:** 19054A001 – Care and Learning Services Occupations
Child and Daycare Services – Schools

Prereqs: Successful completion of both semesters of *Early Childhood Education* and ECE credential

Grades: 12

Credits: 1

Description: This course provides students with information and practical experiences needed for the development of competencies related to child/adult care, day care, and other education services occupations. Laboratory experiences, either in a school-based or worksite learning facility, are included throughout the course. Students meet standards in developing programs and assisting with children's and/or adult's activities. Classroom study includes the philosophy and management of care centers and the state and local regulations governing caregiving operations. The learning experiences will involve working with children/adults simulating those found in business and industry, as well as preparation for developing and facilitating these activities. This course will be in a school setting.

State Course ID: 19054A001 – Care and Learning Services Occupations
MATHEMATICS

Mathematics

Successful completion of three years of mathematics is required for graduation. A fourth year of mathematics is recommended for college-bound students. Students with plans to specialize in a field such as engineering or any field where an extensive mathematics background is needed, are advised to include *Honors Pre-Calculus* and beyond in their schedule. Teachers will assist students with determining appropriate math courses and indicate such on their pre-enrollment form.

Every mathematics course at Harlem High School incorporates the use of technology. When considering the purchase of a calculator the TI-84 CE is recommended as that is what students will be using in their classrooms. Students are *required* to have a scientific calculator with trigonometry functions, at a minimum.
### MATHEMATICS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Algebra I</strong> §</td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Directed Study Mathematics 9</strong></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geometry §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td>Successful completion of <em>Algebra I</em></td>
</tr>
<tr>
<td><strong>Honors Geometry</strong> §</td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>Successful completion of <em>Algebra I</em></td>
</tr>
<tr>
<td><strong>Directed Study Mathematics 10</strong></td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Algebra II</strong> §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Geometry</em> or concurrent enrollment in <em>Geometry</em> with teacher recommendation</td>
</tr>
<tr>
<td><strong>Honors Algebra II</strong> §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Honors Geometry</em> or <em>Geometry</em></td>
</tr>
<tr>
<td><strong>Honors College Algebra</strong> §</td>
<td>0.5</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>Successful completion of <em>Algebra II</em> or <em>Honors Algebra II</em></td>
</tr>
<tr>
<td><strong>Probability and Statistics</strong> §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td>Successful completion of <em>Algebra II</em> or <em>Honors Algebra II</em></td>
</tr>
<tr>
<td><strong>Mathematics IV</strong> §</td>
<td>1</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Algebra II</em></td>
</tr>
<tr>
<td><strong>Honors Trigonometry</strong> §</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of <em>Algebra II</em> or <em>Honors Algebra II</em></td>
</tr>
</tbody>
</table>

§NCAA accredited core course
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Pre-Calculus §</td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Honors Algebra II or Algebra II. Concurrent enrollment in first semester Honors Trigonometry is required for students coming from Algebra II.</td>
</tr>
<tr>
<td>AP Calculus AB §</td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>Successful completion of Honors Pre-Calculus</td>
</tr>
<tr>
<td>AP Statistics §</td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Algebra II or Honors Algebra II</td>
</tr>
</tbody>
</table>

§NCAA accredited core course
MATHEMATICS COURSES

Algebra I

Prereqs: None
Grades: 9
Credits: 1

Description: Algebra I is a one-year Algebra course aligned with the Common Core Standards. Topics covered include solving and graphing linear equations and inequalities, operations with expressions and polynomials, solving systems of equations, simplifying radical and exponential expressions, solving and graphing quadratic equations, polynomial factoring and descriptive statistics. Emphasis will be placed on applications and relating equations to graphs.

Directed Study Mathematics 9

Prereqs: None
Grades: 9
Credits: 1

Description: This is a required academic intervention course. It is meant to strengthen mathematics skills and improve academic performance.

Geometry

Prereqs: Successful completion of Algebra I or teacher recommendation
Grades: 9-10
Credits: 1

Description: Geometry is a one-year course aligned to the Common Core Standards. Topics studied include inductive reasoning and deductive reasoning, angle relationships, perpendicular and parallel lines, congruent triangles, similar polygons, circles, arcs, construction, coordinate geometry, area and volume of plane and solid figures as well as review of right triangle trigonometry. Application and proof are emphasized.

Honors Geometry

Prereqs: Successful completion of Algebra I with teacher recommendation
Grades: 9
Credits: 1

Description: Honors Geometry is a rigorous, fast-paced geometry course. It is aligned to the Common Core Standards and covers the same topics as Geometry with the addition of the Law of Sines and Law of Cosines as well as further emphasis on formal proof, use of precise language, higher order thinking skills, and more challenging problems.

Directed Study Mathematics 10

Prereqs: None
Grades: 10
Credits: 1

$NCAA accredited core course
MATHEMATICS COURSES

Description: This is a required academic intervention course. It is meant to strengthen mathematics skills and improve academic performance.

Algebra II§

Prereqs: Successful completion of Geometry or concurrent enrollment in Geometry with teacher recommendation

Grades: 9-11

Credits: 1

Description: Algebra II is a two-semester course aligned to the Common Core Standards. Topics studied include Root, Step, Piece-wise, Absolute Value Functions and their transformations, Quadratic Functions, Polynomial Functions, Exponential and Logarithmic Functions, Rational Functions, and Trigonometric Functions. Additionally, there are units on both Probability and Statistics. Emphasis is placed on applications of all these topics.

Honors Algebra II§

Prereqs: Successful completion of Honors Geometry or Geometry with teacher recommendation

Grades: 9-11

Credits: 1

Description: In addition to studying topics covered in Algebra II at greater depth and at a more rigorous pace, students in Honors Algebra II will cover additional trigonometric topics so they are able to advance to Pre-Calculus without completing the semester-long Trigonometry course. Students in Honors Algebra II are challenged to use higher order thinking skills to solve challenging problems.

Honors College Algebra§

Prereqs: Successful completion of Honors Algebra II or Algebra II with teacher recommendation

Grades: 11-12

Credits: 0.5

Description: Honors College Algebra is a one-semester course that further develops concepts from Algebra II including many Common Core fourth year topics such as sequences and systems of equations. Emphasis is placed on skills necessary for college-level mathematics as reflected in the rigor and pace of this course.

Note: Students who successfully complete Honors Pre-Calculus are not eligible to enroll in this course.

Probability and Statistics§

Prereqs: Successful completion of Algebra II or Honors Algebra II

Grades: 11-12

Credits: 1

Description: This course is designed to give students the opportunity to further understand and explore data

§NCAA accredited core course
using statistical models. All major aspects of statistics will be studied. An emphasis on learning through discovery methods, modeling and analysis of problems that will be encountered in everyday life and across numerous fields of study. Coursework will include a strong emphasis on the world of probability and its varied applications.

Mathematics IV§

Prereqs: Successful completion of Algebra II
Grades: 11-12
Credits: 1

Description: This course is a continuation and reinforcement of the study of linear topics including regressions. Additionally, students will study radical expressions, sequences, polynomial functions and expand their knowledge and skills in trigonometry, logarithms and exponential functions. This course includes a wealth of application problems and is intended to ensure students are ready to succeed in a post high school vocations program, junior college, or university.

Honors Trigonometry§

Prereqs: Successful completion of Honors Algebra II or Algebra II with teacher recommendation
Grades: 11-12
Credits: 0.5

Description: Honors Trigonometry is a one semester course that studies the six trigonometric functions and their applications. Included are 4th year Common Core Standards on graphing, identities, proofs, and vectors. This course is necessary for further work in mathematics, engineering, and various apprentice programs. Students wishing to take Pre-Calculus need to take this course unless they have completed Honors Algebra II.

Note: Students who successfully complete Honors Pre-Calculus are not eligible to enroll in this course.

Honors Pre-Calculus§

Prereqs: Successful completion of Honors Algebra II or Algebra II with teacher recommendation. Concurrent enrollment in first semester Honors Trigonometry is required for students coming from Algebra II.
Grades: 11-12
Credits: 1

Description: This course includes further study of trigonometry including applications, graphs, vectors and proofs. The course includes fourth year Common Core topics such as sequences, conic sections, more graphing of polynomial and rational functions, further study of statistics and probability and a beginning understanding of limits. A graphical approach to many of these topics is emphasized so a graphing calculator is required. This course is necessary for further work in mathematics,
MATHEMATICS COURSES

engineering, business, and many technology related fields.

**AP Calculus AB**

Prereqs: Successful completion of *Honors Pre-Calculus*

Grades: 12

Credits: 1

Description: *AP Calculus AB* will provide the college-bound student with a foundation in elementary differential and integral Calculus. Topics will include functions, limits, continuity, and differentiation of functions, applications of derivatives, anti-derivatives, and the definite integral and its applications. Concepts from *Pre-Calculus* will be further developed.

**Note:** All students enrolled in *AP Calculus AB* are expected to take the AP exam in May and may receive advanced placement college credit based upon exam score.

**AP Statistics**

Prereqs: Successful completion of *Algebra II* or *Honors Algebra II*

Grades: 11-12

Credits: 1

Description: The purpose of *AP Statistics* is to provide students with a foundation in collecting, analyzing and drawing conclusions from data. This course draws connections between all aspects of the statistical process, including design, analysis, and conclusions. Additionally, using the vocabulary of statistics this course will teach students how to communicate statistical methods, results, and interpretations.

**Note:** All students enrolled in *AP Statistics* are expected to take the AP exam in May and may receive advanced placement college credit based upon exam score.
Music

The Music Division offers a variety of programs in both vocal and instrumental instruction for beginning as well as advanced musicians. A variety of different groups offers students training in music fundamentals, as well as opportunities for performances through division-produced concerts and musicals as well as appearances before community groups.

All instrumental students will be auditioned in order to qualify for the instrumental groups. Vocal music students will be auditioned to determine their vocal range, sight-reading, tone quality, etc.

All music credits are considered equal to other academic courses in credit and grade points.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparatory Choir</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Chorus</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Concert Band</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Previous experience necessary</td>
</tr>
<tr>
<td>Preparatory Band</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Music Appreciation</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Wind Ensemble</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Audition in Spring</td>
</tr>
<tr>
<td>Choraleers</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Audition in Spring</td>
</tr>
<tr>
<td>Digital Music Production</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Treble Choir</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Audition in Spring</td>
</tr>
<tr>
<td>AP Music Theory</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Previous music experience recommended</td>
</tr>
</tbody>
</table>
MUSIC COURSES

Preparatory Choir

Prereqs: None
Grades: 9
Credits: 1

Description: This is a mixed choir that is designed for the serious choral student. Membership will be chosen by audition. Students will study and perform music in three and/or four parts. Music chosen will be both musically and vocally challenging. Students will also receive some instruction in knowledge of basic fundamentals of choral music. Participation in all concerts and performances is required. Students may also participate in extra activities such as the ILMEA Festival and Spring Musical.

Chorus

Prereqs: None
Grades: 9-12
Credits: 0.5

Description: Chorus is a choir that provides training in choral basics such as breath support, diction, posture, and tone quality. Some instruction in music fundamentals is also given. Music in unison or two parts will be studied and performed. Students may elect to sign up for Chorus if they do not wish to audition for Cadet Choir, Choraleers or Show Choir but have an interest in vocal music. Performance at one concert per semester is required. This course may be repeated only once with teacher approval.

Concert Band

Prereqs: Previous experience necessary
Grades: 9-12
Credits: 1

Description: This band is the primary performing group for the instrumental music program. Extended training in marching, large ensemble performance, and some solo or small ensemble performance work is provided. Participation in performances at all scheduled concerts, sporting events, and music contests will be required for all members of this ensemble. A student’s placement in Concert Band may be affected by the band’s need for balanced instrumentation. During football season, this ensemble combines with Wind Ensemble to form the Harlem Marching Band.

Preparatory Band

Prereqs: None
Grades: 9-12
Credits: 1

Description: This course is focused on the performance of woodwind, brass, and percussion instruments at the beginning and intermediate level. Musical topics are introduced such as reading, music notation, analyzing, and performing music. Students perform at various
school concerts throughout the year. Attendance at these performances is required of students enrolled in the class. Summer lessons are strongly encouraged for students with no prior experience. This course may be repeated with teacher approval.

Music Appreciation

Prereqs: None
Grades: 9-12
Credits: 0.5

Description: This course will use music education to help students become informed citizens and culturally aware participants in the 21st century. Students will explore music from a wide variety of styles, time periods, and cultures in this course. They will learn about the relationship of music to art, society, politics, and history.

Wind Ensemble

Prereqs: Audition in Spring
Grades: 9-12
Credits: 1

Description: Wind Ensemble is an advanced instrumental ensemble offering extensive training in advanced large ensemble, solo, and chamber music performing. Attendance and participation in all performances, both during and after the school day, are required of band members. During football season, this ensemble combines with Concert Band to form the Harlem Marching Band.

Choraleers

Prereqs: Audition in Spring
Grades: 10-12
Credits: 1

Description: This is a mixed choir of limited size, which is designed for the advanced choral student. Membership will be chosen by audition and every effort will be made to structure the size of the group so that the vocal sections are balanced. Students will study and perform more advanced music in three and/or four parts. Music chosen will be both musically and vocally challenging. Students are expected to have knowledge of basic fundamentals of choral music or to take responsibility to familiarize themselves with a required study sheet of choral fundamentals. Participation in all concerts and performances is required. Students may also participate in extra activities such as the ILMEA Festival, Solo/Ensemble Recital, and Spring Musical.

AP Music Theory

Prereqs: Previous music training recommended
Grades: 10-12
Credits: 1

Description: This course is designed to develop a student’s ability to recognize, understand, and
MUSIC COURSES

describe the music materials and processes of music that are heard or presented in a score. To this end, this course will focus on musical topics such as pitches, intervals, scales and keys, chords, meter, and rhythm, and will progress to dictation, realization of a figured bass, analysis of repertoire, and sight singing. It is strongly recommended that a student has acquired performance skills on an instrument or voice before enrolling in this course.

Treble Choir

Prereqs: Audition in Spring
Grades: 10-12
Credits: 1

Description: This is a choir designed for the more serious choral student. Students will be expected to know about and continue their development with fundamentals of choral technique. Participation in all concerts and performances is required. Students may also participate in extra activities such as the IMEA Festival and the Spring Musical.

Digital Music Production

Prereqs: None
Grades: 10-12
Credits: 0.5

This course will focus on equipping students to understand, create, edit, and record music using technology. Students will be exposed to various music software and will have the opportunity to create their own original music. Aspects of musical form, rhythm, and timbre will be discussed. Students will also discuss copyright and various methods of publishing music, including online resources.
Physical Education

Each student must pass two semesters of Physical Education for each year he/she is enrolled in school in grades 9-12 in order to meet the state requirements for graduation. If a student is excused for the year from regular Physical Education courses for medical reasons, he/she must substitute another course for the credit at the beginning of the year. Individualized special programming and instruction is available, when needed. The purpose of the Physical Education program is to provide instruction and facilities for physical and recreational activities. Students have the opportunity to develop knowledge, skills, attitudes, and habits for their current and future lifestyles. Students are required to dress out daily in the district-approved uniform, which can be purchased from the main office.
PHYSICAL EDUCATION

Grade 9

Every student will be enrolled in two semesters of physical education.

Grade 10

Every student will be enrolled in one semester of physical education and one semester of health. If during the 10th grade year, the student is enrolled in Driver Education, he/she has an option of exempting the semester of physical education to take the Driver Education course.

Grades 11-12

In Grades 11 and 12, there are exemptions from Physical Education instruction for the following:

- Any student who participates in an interscholastic athletic program. These students have the following options upon written verification from the coach of their sport:
  - Remain in the Physical Education course
  - Select an academic course
    - A student athlete scheduling a 0.5 credit course instead of Physical Education may remain in that course for the semester of their season.
    - A student who plays in two sports for two separate seasons (semesters) will be exempt from Physical Education for the entire year.
    - A student who plays a winter sport can get a one semester Physical Education exemption.
- With high school principal or designee approval, any student who lacks sufficient course credit or lacks one or more specific courses in order to meet state and Harlem High School graduation requirements.
- With high school principal or designee approval, any student who must complete a specific academic course for admission to post-secondary training that will require an extra course, not available in a normal schedule of courses.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Foundations of Physical Education</em></td>
<td>0.5</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Health Education</em></td>
<td>0.5</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Advanced Physical Education</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Enhanced Sports and Activities (ESA)</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Frequency, Intensity, Type, and Time (FITT)</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Lifetime Fitness</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Strength Training</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><em>Team Sports</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>
PHYSICAL EDUCATION COURSES

Foundations of Physical Education

**Prereqs:** None  
**Grades:** 9  
**Credits:** 0.5

**Description:** This course will focus on team sports that may include basketball, volleyball, floor hockey, softball, flag football, ultimate frisbee and/or additional sports. Students will be assessed each semester on their physical fitness level by participating in tests related to muscular strength, muscular endurance, flexibility, and cardiovascular endurance. This course will provide CPR and AED training (Public Act 98-0632).

Health Education

**Prereqs:** None  
**Grades:** 10  
**Credits:** 0.5

**Description:** *Health Education* is designed to give students the opportunity to obtain the competencies necessary to make healthy decisions, which will affect their health and, therefore, the health of the community. The Health curriculum is composed of five major units: (1) Health Promotion, (2) Human Sexuality, (3) Drug Education, (4) Tobacco, and (5) Mental Health. Topics of discussion will include, but not be limited to, such current life issues as AIDS, teen pregnancy, suicide, eating disorders, depression, child abuse, relationships, chemical dependency, stress, fetal alcohol and cannabis syndrome, tobacco, and personal fitness. This course will provide CPR and AED training (Public Act 98-0632).

**Note:** This is a required 10th grade course.

Advanced Physical Education

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5

**Description:** This course is designed to prepare student athletes for varsity-level competition. The course will include weight training and conditioning to improve individual performance. This course will provide CPR and AED training (Public Act 98-0632). Students will also be assessed each semester on their physical fitness level by participating in tests related to muscular strength, muscular endurance, flexibility and cardiovascular endurance.

Enhanced Sports and Activities (ESA)

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5

**Description:** This course is for students looking for an enhanced, competitive atmosphere and who enjoy playing a variety of marketing and activities. Students will be provided an opportunity to work cooperatively with
other classmates and integrate more advanced aspects of tactics and strategies. The majority of game play is league/tournament based. This course would benefit students who are looking to pursue a career in teaching PE, coaching, becoming an official/referee, or jobs in the sports and recreation field. Students will be assessed each semester on their physical fitness level by participating in tests related to muscular strength, muscular endurance, flexibility, and cardiovascular endurance. This course will provide CPR and AED training (Public Act 98-0632).

**Frequency, Intensity, Type, and Time (FITT)**

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5

**Description:** This course will focus on educating students on proper nutrition and how to develop a balanced workout. Students will be introduced to a variety of workout techniques that will include, but not limited to, weight training, interval cardio training, video workouts, and circuit training. Students will be assessed each semester on their physical fitness level by participating in tests related to muscular strength, muscular endurance, flexibility, and cardiovascular endurance. This course will provide CPR and AED training (Public Act 98-0632).

**Lifetime Fitness**

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5

**Description:** This course will focus on increasing fitness levels through the use of group exercise and individual activities. This course may include yoga, pilates, aerobics, Zumba, dance, individual sports, and/or additional activities. Students will be assessed each semester on their physical fitness level by participating in tests related to muscular strength, muscular endurance, flexibility, and cardiovascular endurance. This course will provide CPR and AED training (Public Act 98-0632).

**Strength Training**

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5

**Description:** This course is designed to introduce and improve strength, speed, power and conditioning levels. This course will include: weightlifting, strength training, plyometrics, conditioning and agility drills. Students will be assessed each semester on their physical fitness level by participating in tests related to muscular strength, muscular endurance, flexibility and cardiovascular endurance. This course will provide CPR and AED training (Public Act 98-0632).
Team Sports

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: This course will focus on team sports that may include basketball, volleyball, floor hockey, softball, flag football, ultimate frisbee and/or additional sports. Students will learn a variety of skills, rules, sportsmanship and strategies. This course will provide CPR and AED training (Public Act 98-0632). Students will be assessed each semester on their physical fitness level by participating in tests related to muscular strength, muscular endurance, flexibility, and cardiovascular endurance.
Science

Students must complete three years of science for graduation. College-bound students are advised to take *Honors Biology, Honors Chemistry, AP Chemistry, AP Biology*, and *Honors Physics*. College-bound students with an interest in the Life Sciences may choose *AP Biology, Human Anatomy and Physiology* and/or *Zoology*. College-bound students with an interest in engineering should check with their college of interest as many recommend credits in all three of the basic sciences, Biology, Chemistry and Physics.

Those students who are undecided about their future education should consider developing their course plan for college-bound placement. As most colleges require three years of science, this will assure that students meet college requirements should they change their career plans.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Science §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Modern Biology §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honors Biology §</td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AP Biology §</td>
<td>1</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Chemistry or Honors Chemistry and Modern Biology or Honors Biology.</td>
</tr>
<tr>
<td>Earth Science: Astronomy, Oceanography, Meteorology §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Earth Science: Geology §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Environmental Science §</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology of Honors Biology</td>
</tr>
<tr>
<td>Forensic Science §</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology of Honors Biology</td>
</tr>
<tr>
<td>Horticulture</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology of Honors Biology</td>
</tr>
<tr>
<td>Honors Human Anatomy and Physiology §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology of Honors Biology</td>
</tr>
</tbody>
</table>

§NCAA accredited core course
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Physics §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Algebra II or Honors College Algebra. Sophomore year placement requires teacher approval</td>
</tr>
<tr>
<td>Physics</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Algebra 1</td>
</tr>
<tr>
<td>Anthrozoology</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology of Honors Biology</td>
</tr>
<tr>
<td>Wildlife Ecology §</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology of Honors Biology</td>
</tr>
<tr>
<td>Zoology §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology of Honors Biology</td>
</tr>
<tr>
<td>Chemistry §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology with concurrent enrollment in Algebra II</td>
</tr>
<tr>
<td>Honors Chemistry §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Modern Biology with concurrent enrollment in Algebra II</td>
</tr>
<tr>
<td>AP Chemistry §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Honors Chemistry and Algebra II</td>
</tr>
</tbody>
</table>

§NCAA accredited core course
SCIENCE COURSES

**Physical Science**

Prereqs: None  
Grades: 9-12  
Credits: 1  

Description: This course is designed to introduce students to physics and chemistry as they apply to everyday life. Topics include measurement, density, types of matter, forces, motion, energy, waves, sound, light, electricity, and magnetism. Activities include technology, experimentation, small projects, and laboratory investigations. This course may not be taken by students who successfully completed Chemistry or Physics or concurrently with those courses.

**Modern Biology**

Prereqs: None  
Grades: 9-10  
Credits: 1  

Description: This course is designed as a study of life and living things. The curriculum will introduce students to the fundamental concepts of biology. The course focuses on how biological processes actually occur within living organisms. Other topics include the study of cells, genetics, ecology, and microbiology. Lab work is used to support concepts taught.  

Note: This course is required for graduation.

**Honors Biology**

Prereqs: None  
Grades: 9  
Credits: 1  

Description: This course, although similar in content to Modern Biology, goes into selected units in greater depth. Emphasis is placed on cellular biology. Course activities include, along with lab investigations, both individual and group activities. The second semester of the course includes an in-depth research project involving real-life application. This is a course for college-bound students.

**AP Biology**

Prereqs: Successful completion of Chemistry. May get approval with concurrent enrollment in Chemistry  
Grades: 11-12  
Credits: 1  

Description: This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Some AP students, as college freshmen, are permitted to undertake upper-level courses in biology or to register for courses for which biology is a prerequisite. Other students may be able to use this credit as a basic requirement for a laboratory science course and will be able to undertake other courses to pursue their majors.

$\text{NCAA accredited core course}$
SCIENCE COURSES

Each college or university has different policies about AP credit. Students are advised to work with the college or university of their choice about AP credit.

In AP Biology, the emphasis is on developing unifying themes and key concepts necessary for students to understand science as a process. Following the College Board’s guidelines the course is divided into three sections with correlating college level laboratory exercises: molecules and cells; genetics; and organisms and populations. AP Biology is designed to prepare students for the AP Exam through development of students’ writing skills, critical thinking, and experimental analyses while reinforcing facts. At the end of the course students are required to take the AP examination in Biology. Summer work may be required.

Earth Science – Astronomy, Oceanography, and Meteorology§

Prereqs: Successful completion of Modern Biology
Grades: 10-12
Credits: 1

Description: This course is designed for students interested in astronomy, oceanography, and meteorology. Special emphasis will be placed on laboratory investigations.

Earth Science – Geology§

Prereqs: Successful completion of Modern Biology
Grades: 10-12
Credits: 1

Description: This course is designed for students interested in processes that build up the Earth (earthquakes, volcanoes, plate tectonics, mountain building), processes that break down the Earth (erosion and weathering), rocks and minerals, geologic history and topographic maps. Special emphasis will be placed on laboratory investigations.

Environmental Science§

Prereqs: Successful completion of Modern Biology
Grades: 10-12
Credits: 0.5

Description: This course helps students learn how human interaction affects natural resources and how to deal with current environmental problems. Students will debate, research, perform lab exercises, and hold class discussions to help explain and understand environmental issues. This course will enable students to make practical, intelligent, and informed decisions on real-life environmental issues that they will be facing for the rest of their lives.

§NCAA accredited core course
SCIENCE COURSES

Forensic Science

Prereqs: Successful completion of *Modern Biology*
Grades: 10-12
Credits: 0.5

Description: This laboratory course focuses on the science of criminology. It is an integrated course that incorporates the study of chemistry, physics, and biology. Students will have the opportunity to apply their learning in simulated crime scenes and practice techniques related to the collection, preservation, and investigation of evidence. Areas of study will include DNA profiling, fingerprint analysis, fiber analysis, examination of blood samples, firearm identification, and forgery. It is a lab focused course and attendance has a strong impact on success in this course. This course is intended for students who are interested in law enforcement, forensic science, or crime scene investigation.

Horticulture

Prereqs: Successful completion of *Modern Biology*
Grades: 10-12
Credits: 1

Description: This course is designed to present general plant structure and function, plant reproduction, propagation, growth, production of plants for resale, interiorscaping, landscape design and maintenance, as well as floriculture-related projects. This course involves a great deal of hands-on and outside work therefore requiring a student's willingness to get his or her hands dirty. This course is recommended for anyone interested in a career in landscaping or other horticulture-related fields as well as for those with a love of plants and gardening.

Honors Human Anatomy and Physiology

Prereqs: Successful completion of *Modern Biology*
Grades: 10-12
Credits: 1

Description: This course is concerned with the systems of the human body. The course will study the definition, composition, and function of cells, tissues, organs, and organ systems. Instruction will include multimedia, lecture, discussion, and lab work. Dissections of a brain, eyeball, heart, and a fetal pig are included in the labs. This course is recommended for students interested in medical-related occupations.

Honors Physics

Prereqs: Successful completion of *Algebra II.*
Sophomore year placement requires teacher approval
Grades: 10-12
Credits: 1

Description: This is a first year physics course in which students will study motion, vectors, forces, gravitation, energy, waves, sound, light, electricity and magnetism.

$^§$NCAA accredited core course
SCIENCE COURSES

This course is a mix of lecture, group discussion, demonstrations, and laboratory exercises, and involves extensive use of technology. College bound students interested in studying engineering, materials science, architecture, mathematics, medicine, or the sciences should take this course.

Physics

Prereqs: Successful completion of Algebra 1
Grades: 10-12
Credits: 1

Description: This is a first year physics course in which students will study motion, vectors, forces, gravitation, energy, waves, sound, light, electricity and magnetism. This course will focus on both conceptual and the mathematical interpretation utilizing Algebra and Trigonometry. This course is a mix of lecture, group discussion, demonstrations, and laboratory exercises, and involves extension use of technology. This course is recommended for college bound students who are interested in science, mathematics, and technology.

Human-Animal Science

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: This course explores the roles non-human animals play in human society. It will investigate the benefits humans receive from and the responsibilities they have toward other species. It will also discuss research that uncovers the health benefits humans get when they share their lives with other species. Students will learn about psychological, sociological, and physiological factors involved in these relationships, and study the many services animals provide for humans. This course is recommended for students who are interested in jobs in the fields of zookeeper, animal behaviorist, competition training, rehabilitation, animal related law, and research.

Wildlife Ecology

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: Wildlife ecology will focus on the problem-solving and scientific skills students need to understand the ecological interactions affecting wildlife today and the restorative efforts in increasing struggling populations. This course is recommended for students who are interested in jobs in the fields of wildlife management, park service, ecological consulting, conservation, wildlife rehab, or working in a zoo.

Zoology

Prereqs: Successful completion of Modern Biology

$NCAA accredited core course
SCIENCE COURSES

Grades: 10-12
Credits: 1

**Description:** This course concentrates on the study of vertebrate animals with an emphasis on the animal’s taxonomic classification, structure, and its interaction with the environment. Some of the projects include the study of animal behavior; dissections of representative vertebrates such as pigeons, lampreys, frogs, fish, turtles, and fetal pigs; and making an insect collection.

Chemistry

**Prereqs:** Successful completion of or concurrent enrollment in *Algebra II*

**Grades:** 10-12

**Credits:** 1

**Description:** This course is designed to include areas of study such as atomic and molecular structure, chemical formulas and equations, mathematical calculations used in chemical analysis, chemical reactions, and physical states of matter, gas laws, and solution chemistry. There is an emphasis on how chemistry affects our daily lives. Students will be instructed in lab procedures and in writing lab reports. This course is recommended for all college-bound students. This course will be taught at a slower pace than *Honors Chemistry* and will not fulfill requirements for *AP Chemistry*.

Honors Chemistry

**Prereqs:** Successful completion of *Modern Biology* and *Algebra II*

**Grades:** 10-12

**Credits:** 1

**Description:** In this course, students study atomic structure, properties of matter, chemical formulas, chemical reactions, behaviors of liquids and gases, acids and bases. A heavy emphasis is placed on laboratory techniques, problem solving, and real-world applications of chemistry. This course is recommended for all college-bound students and is required for students planning to continue on to *AP Chemistry*.

AP Chemistry

**Prereqs:** Successful completion of *Honors Chemistry* and *Algebra II*

**Grades:** 11-12

**Credits:** 1

**Description:** This course is the equivalent of a first year college chemistry course. Through lectures, projects, independent learning, and extensive laboratory experiments, students study inorganic and basic organic chemistry concepts. Heavy emphasis is placed on problem solving and experimental design. College bound students interested in studying medicine, engineering, sciences, or who have a very strong interest in chemistry, should take this course. At the end of the course,
students are required to take the Advanced Placement examination in Chemistry, with the possibility of earning advanced placement college credit and/or placing out of college freshman chemistry (actual credit earned is based on AP exam score and the university selected by the student).
Social Studies

Social Studies offers courses focusing on the study of society and the behavior of its members. It also covers the interrelationships between people, between countries, and between humans and their environment.

Successful completion of two semesters of *Contemporary World Studies* (9th grade), two semesters of *US History* (11th grade), one semester of *US Government* (12th grade), and one semester of elective social studies credit are required for graduation.
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contemporary World Studies §</strong></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Honors Contemporary World Studies §</strong></td>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>American Diversity §</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>African American History §</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Classical Humanities</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Contemporary Humanities</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Leaders and Leadership</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Modern Problems §</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Sociology I §</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

§NCAA accredited core course
# SOCIAL STUDIES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology II §</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Sociology I</td>
</tr>
<tr>
<td>World History §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Contemporary World Studies or US History</td>
</tr>
<tr>
<td>AP World History §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Contemporary World Studies or US History</td>
</tr>
<tr>
<td>Media Studies I</td>
<td>1</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Media Studies II</td>
<td>1</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Media Studies I and teacher approval</td>
</tr>
<tr>
<td>US History §</td>
<td>1</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AP US History §</td>
<td>1</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td>Successful completion of English 10</td>
</tr>
<tr>
<td>General Psychology §</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>AP Psychology §</td>
<td>1</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Contemporary World Studies or US History</td>
</tr>
<tr>
<td>Honors Economics §</td>
<td>0.5</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of US History</td>
</tr>
</tbody>
</table>

§NCAA accredited core course
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>US Government §</td>
<td>0.5</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>AP US Government and Politics §</td>
<td>0.5</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>Successful completion of US History</td>
</tr>
<tr>
<td>American Veteran Documentary and Film I</td>
<td>1</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td>Successful completion of US History or CWS</td>
</tr>
<tr>
<td>American Veteran Documentary and Film II</td>
<td>1</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td>Successful completion of American Documentary and Film I</td>
</tr>
</tbody>
</table>
SOCIAL STUDIES COURSES

Contemporary World Studies

Prereqs: None
Grades: 9
Credits: 1

Description: Successful completion of this course or Honors Contemporary World Studies is required for graduation. This course will cover major political regions and concerns in our contemporary world. The course will study the different cultures in our world, with an emphasis on the geographic, political, and historic aspects of our world.

Note: This is a required 9th grade course.

Honors Contemporary World Studies

Prereqs: None
Grades: 9
Credits: 1

Description: This accelerated course is offered to college-bound students, providing background skills necessary for further college study. Although the basic topics that are covered in the course are the same as those in regular Contemporary World Studies, each topic will be studied in greater detail and depth.

American Diversity

Prereqs: None
Grades: 9-12
Credits: 0.5

Description: American Diversity is a course designed to examine the various groups that have shaped modern American society. Students will study the contributions made by women, African Americans, Asian Americans, Hispanic Americans, Native Americans, and various other immigrant groups. Emphasis will be placed upon issues of stereotypes, modern roles, discrimination, and the elements that keep our nation diverse.

African American History

Prereqs: None
Grades: 10-12
Credits: 0.5

Description: The course is an introduction to African American History and the important roles that African Americans played in the formation of the United States of America. The course will address the introduction of Africans to the Americas, enslavement, emancipation, and highlight the social, cultural, and political contributions of African Americans to American society. Students will learn about important leaders and issues that affect African Americans from the past through current day.
<table>
<thead>
<tr>
<th>Course</th>
<th>Prereqs</th>
<th>Grades</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classical Humanities</td>
<td>None</td>
<td>10-12</td>
<td>0.5</td>
<td><strong>Description:</strong> This course is project-based, designed to introduce students to the arts of the Classical World. Time periods to be covered include the Egyptians, Ancient Greece and Rome, the European and Islamic Middle Ages, Ancient Asian Civilizations, African Civilizations, and South American and Australian Aboriginal traditions. Topics will include architecture, painting, sculpture, philosophy, epic poetry, music, and culture.</td>
</tr>
<tr>
<td>Contemporary Humanities</td>
<td>None</td>
<td>10-12</td>
<td>0.5</td>
<td><strong>Description:</strong> This is a survey course focusing on the Renaissance, dance, architecture, modern art, theatre, and photography. The course will focus heavily on the artistic styles of the 19th and 20th centuries. Students will develop an appreciation of many artistic disciplines during this course.</td>
</tr>
<tr>
<td>Leaders and Leadership</td>
<td>None</td>
<td>10-12</td>
<td>0.5</td>
<td><strong>Description:</strong> This course is designed to examine leaders and their leadership skills and characteristics. Leaders in business, politics, entertainment, and sports will be featured. A student will be able to develop and improve his or her own leadership skills and characteristics.</td>
</tr>
<tr>
<td>Modern Problems</td>
<td>None</td>
<td>10-12</td>
<td>0.5</td>
<td><strong>Description:</strong> This course is designed as a study of many of the current social problems facing citizens of the United States. Current political, social, and environmental problems are studied with an emphasis on their impact on American society. Topics include environmental pollution and destruction, race relations, freedom of speech, gun control, abortion, and the legal system. Students are expected to read, discuss, and understand the background causes and how each impacts American Society.</td>
</tr>
</tbody>
</table>

§NCAA accredited core course
# SOCIAL STUDIES COURSES

## Sociology I§

**Prereqs:** None  
**Grades:** 10-12  
**Credits:** 0.5  

**Description:** This course is designed to investigate and analyze society and human relationships. Topics covered may include family relationships, social classes, deviant behavior, prejudice and discrimination, and technology’s effect on society. Class discussions and projects should help the student to understand and cope with an ever-changing world.

## Sociology II§

**Prereqs:** Successful completion of Sociology I  
**Grades:** 10-12  
**Credits:** 0.5  

This course is a continuation of Sociology I with a focus on applying sociological concepts to present-day issues. Topics of study may include social interaction, politics and war, and transformation of community as well as an expanded focus on topics such as deviant behavior, stratification, and research methods. Activities may include research/surveys, group work, and class discussion.

## World History§

**Prereqs:** Successful completion of Contemporary World Studies or US History  
**Grades:** 10-12  
**Credits:** 1  

**Description:** This course tells the stories of people, events, and institutions from the earliest of civilizations through the Industrial Revolution. Students who choose to participate in this course will develop historical empathy, an understanding of time and chronology, the ability to analyze historical evidence, and the ability to identify cause and effect. Simulations, group activities, class discussions, and projects are emphasized.

## AP World History§

**Prereqs:** Successful completion of Contemporary World Studies or US History  
**Grades:** 10-12  
**Credits:** 1  

**Description:** Students in this full-year course can expect to take an active role in viewing history thematically. It is a survey course that takes a more focused approach to the history of Afroeurasia (a global perspective) than that of a traditional World History course. This course utilizes college-level resources which will make it demanding and super interesting at the same time. The course is organized around five overarching themes that serve to unify the course and its content. These themes will assist

---

§NCAA accredited core course
SOCIAL STUDIES COURSES

students in their understanding of World History in a “big picture” fashion versus a topical approach that fails to make connections from one location to another and from one time period to another. These themes allow students to organize the ideas of continuity and change over time in a more meaningful manner. Almost all of the world history themes studied in this course will be tied to the SPICE acronym.

Media Studies I

Prereqs: None
Grades: 11-12
Credits: 1

Description: This course explores the role of media in United States culture, offering analysis through the production of HNN, a daily news show.

Media Studies II

Prereqs: Successful completion of Media Studies I and teacher approval
Grades: 12
Credits: 1

Description: This course continues the exploration of the media’s impact on US culture with emphasis on leadership, group dynamics, and community.

US History

Prereqs: None
Grades: 11
Credits: 1

Description: This course is a study of the history of the United States. The emphasis will be on the country’s political, economic, social, and cultural growth including development from reconstruction.

Note: This is a required 11th grade course.

AP US History

Prereqs: Successful completion of English 10
Grades: 11
Credits: 1

Description: This is a writing-intensive course. This is a two-semester course covering US History from the period of New World exploration through the contemporary United States. Students are expected to acquire knowledge of major documents, historians and interpretations of American history. Essay examinations and the writing of critical essays will be required. This course will prepare the student to take the AP test in May. At the end of the course students are required to take the AP examination in US History. This course is offered to challenge more capable students in the areas of problem solving, critical thinking, and analysis. Mastery of reading and writing skills is an essential requirement.

$NCAA accredited core course
as the course mirrors a college curriculum. *Honors English 10* is highly recommended. Students who have taken *US History* are not eligible to take this course.

**General Psychology§**

- **Prereqs:** None
- **Grades:** 11-12
- **Credits:** 0.5

**Description:** This course studies human behavior with an emphasis on personality, interpersonal attraction, mental and personality disorders, states of consciousness, memory, and how our behavior is influenced by our biology and our environment. Classroom work includes experiments, demonstrations, group activities, and class discussion.

**AP Psychology§**

- **Prereqs:** Successful completion of *Contemporary World Studies* or *US History*
- **Grades:** 11-12
- **Credits:** 1

**Description:** This course is a continuation of *General Psychology* with a concentration on social psychology. Topics of study include attitude, prejudice, stereotypes, conformity, obedience, persuasion, anti-social behavior, and how the fields of psychology and law are related.

---

**Honors Economics§**

- **Prereqs:** Successful completion of *US History*
- **Grades:** 12
- **Credits:** 0.5

**Description:** This course is designed to acquaint students with the complexities of the American economic systems. Topics to be discussed will include the pricing system; financial institutions; the role of government, labor unions, and the economy; the role of consumers; solving economic problems; international trade; and other economic systems. Learning activities will come from textbooks, computer simulation, current news magazines, simulations. Economics will fulfill the Consumer Education requirement for graduation and is recommended for college-bound students.

**US Government§**

- **Prereqs:** None
- **Grades:** 12
- **Credits:** 0.5

**Description:** This course presents a study of state and national government, the reasons for their existence, and the role of citizens in government. Current problems will be discussed to help develop students’ understanding of modern government. Students will be need to pass a test on the US Constitution and the Illinois Constitution.

**Note:** This is a required 12th grade course.

§NCAA accredited core course
SOCIAL STUDIES COURSES

AP US Government and Politics§

Prereqs: Successful completion of US History
Grades: 12
Credits: 0.5

Description: AP US Government and Politics is a one semester course which requires students to acquire knowledge of major governmental principles and institutions and apply that knowledge to historical and contemporary politics. The course is designed to challenge more capable students, placing a specific emphasis on reading, writing, and analytical skills. Students enrolled in this course are required to take the AP US Government and Politics test in May. The successful completion of AP US History is highly recommended.

American Veteran Documentary and Film I

Prereqs: Successful completion of US History or CWS
Grades: 11-12
Credits: 1

Description: An exploration into the processes and philosophies of documentary film-making focused on American Veteran war experiences. The course focuses on the interviewing, editing, and research required to make documentary films while maintaining an integral foundation of knowledge toward United States military history. Students who take this course must be highly motivated, responsible, and creative in both media relationships and critical thinking/analytical skills.

American Veteran Documentary and Film II

Prereqs: Successful completion of American Documentary and Film I
Grades: 12
Credits: 1

Description: This course will expand the student’s role within the writing, production, and directing of Veteran documentaries. The student will take on leadership responsibilities regarding the veteran interview process, the compilation of documentaries, and individualized research.

§NCAA accredited core course
Special Education

Special Education offers a comprehensive curriculum which includes the required courses for graduation. Placement in these courses is determined by specific criteria. The students who are eligible must be recommended by a multi-disciplinary team and approved based on the findings established in a completed case study.

Students with special needs will be enrolled in regular grade-level courses when it is determined that the student has the skills to do the required work and can profit from the instruction.

The courses listed address the needs of our students in the Functional/Transitional Programs. The placement of students in these courses based on an Individual Educational Program (IEP) Team decision. Our Functional/Transitional program meets the needs of students with mild intellectual disabilities.

Additional courses not listed address the needs of our students in Learning Lab and students in our Life Skills program. The courses for students in Learning Lab follow the regular curriculum in a smaller setting. Our Life Skills program includes courses such as Independent Living Skills, Real World Academics, and Vocational Education. Decisions for placement in any of these specialized programs are made on an individual basis.
## SPECIAL EDUCATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Functional Mathematics and Language Arts</strong></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>IEP team decision</td>
</tr>
<tr>
<td><strong>Social Skills</strong></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>IEP team decision</td>
</tr>
<tr>
<td><strong>Vocational Education Co-Op Work Training Basic</strong></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>IEP team decision</td>
</tr>
<tr>
<td><strong>STEP Work Experience</strong></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Concurrent enrollment in <em>Vocational Education Co-Op Work Training II</em> and teacher approval. IEP team decision</td>
</tr>
<tr>
<td><strong>Vocational Education Co-Op Work Training I and II</strong></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Concurrent enrollment in STEP Work Experience. IEP team decision</td>
</tr>
<tr>
<td><strong>Community Experience/Personal Living Skills</strong></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>IEP team decision</td>
</tr>
<tr>
<td><strong>Transitional Community Mathematics/Language Arts</strong></td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>IEP team decision</td>
</tr>
</tbody>
</table>
## SPECIAL EDUCATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Vocational Education Co-Op Work Training Life Skills</em></td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Teacher approval IEP team decision</td>
</tr>
<tr>
<td><em>Transitional Social Skills</em></td>
<td>0.5</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>IEP team decision</td>
</tr>
</tbody>
</table>
SPECIAL EDUCATION COURSES

Functional Mathematics and Language Arts
Prereqs: IEP team decision
Grades: 9-11
Credits: 1
Description: This course is designed to enable each student to acquire mathematical and language arts skills at his or her appropriate level and rate. Computation of whole numbers is presented as well as skills necessary for making change, using a calculator, telling time, and solving word problems. The course also has an emphasis on relating to real life situations. Some areas covered will be building vocabulary, reading, comprehension and writing.

Social Skills
Prereqs: IEP team decision
Grades: 9-11
Credits: 0.5
Description: This course is designed to provide students with an understanding and knowledge of the social skills needed to function at school, in the home, and in the community. Students will develop skills to better understand themselves and how to relate to others.

Functional Health
Prereqs: IEP team decision
Grades: 10-11
Credits: 0.5
Description: The student will be exposed to the topics of interpersonal relationships, hygiene, diseases, death, mental health, drug abuse, and personal responsibilities toward sex.

Vocational Education Co-op Work Training Basic
Prereqs: IEP team decision
Grades: 10-12
Credits: 0.5
Description: This course provides classroom instruction and simulated on-the-job training in a classroom setting. Classroom instruction includes; personal information, personal interests, and employment skills and attitudes. The simulated on-the-job training activities include packaging, sorting, measuring, and counting money.

STEP Work Experience
Prereqs: Concurrent enrollment in Vocational Education Co-Op Work Training II and teacher approval
Grades: 11-12
### SPECIAL EDUCATION COURSES

#### Credits: 1

**Description:** This course provides vocational training at in-school or community settings. Students will be provided with job coach support and transportation to training sites. The vocational training helps prepare students for post-secondary employment. Vocational training empowers the students to be productive members of our global society. Students may have the opportunity to meet with a vocational counselor from the Department of Rehabilitation.

### Vocational Education Co-op Work Training I and II

| Prereqs          | Concurrent enrollment in STEP Work Experience  
|                  | IEP team decision                            
| Grades           | 11-12                                         
| Credits          | 0.5                                           

**Description:** In the Vocational Ed Co-op courses, students learn about job applications, job interviews, write resumes, participate in interest/ability inventories, and learn employability skills that will help them get and keep a job.

### Community Experience and Personal Living Skills

| Prereqs          | IEP team decision                             
| Grades           | 12                                             

### Credits: 1

**Description:** This course is designed to provide the student with real-life experiences and to acquire a healthy life-style. Using the community as the classroom, students may visit eating establishments, department stores, and/or grocery stores they will learn to use public transportation. The skills covered include money management, time management, and social skills. Other areas to be studied are practical academic skills, practical living skills, and life style choices.

### Transitional Community Mathematics and Language Arts

| Prereqs          | IEP team decision                             
| Grades           | 12                                             
| Credits          | 1                                              

**Description:** This course is designed to provide students with real-life skills in relation to mathematics and language arts. Topics include money, time, measurement, banking, and budgeting. Other areas to be studied will include using personal information, labels, menus, recipes/box directions, catalogs, shopping ads, directions, etc. Short stories and adapted novels will be included.
SPECIAL EDUCATION COURSES

Transitional Social Skills

Prereqs:  IEP team decision
Grades:  12
Credits:  0.5

Description: This course is designed to provide students with an understanding and knowledge of the social skills needed to function at school, in the home, and in the community. Students will develop skills to better understand themselves and how to relate to others.

Vocational Education Co-op Work Training Life Skills

Prereqs:  Teacher approval
IEP team decision
Grades:  11-12
Credits:  0.5

Description: This course provides classroom instruction and simulated on-the-job training in a classroom setting. Classroom instruction includes: personal information, personal interests, and employment sight words. The simulated on-the-job training activities include packaging, sorting, measuring, and counting money.
World Languages and English Language Learners

Why study a world language? Research shows that students who study world languages:

- score higher on the SAT and ACT
- develop greater cultural sensitivity toward others
- have larger vocabularies
- perform better on tests of reading and mathematics
- have higher-developed listening and retention skills
- are more creative
- display more highly-developed thinking skills
- possess skills critical to the national defense
- increase employability in the workplace

Students who wish to study a second language may choose German or Spanish. Because many colleges and universities have entrance requirements of two or more years of the same language, students are encouraged to make at least a two-year commitment to the course of study.

Students should have:

- a desire to learn the language
- a willingness to attend class regularly, speak the language, and learn new vocabulary
- strong listening skills and be able to concentrate
- the ability to stay focused and active in class
Native Speakers Recommendation for Placement

The World Language Division recommends the following:

If a student matches one or more of the categories listed below, the student must consider placement in Level III or above in the student’s native language. To ensure that native speakers are able to place at this appropriate level, students will be administered a placement test that will be administered by the Division Chair.

The stipulations are:

- the student is already fluent in Spanish or German
- the student speaks Spanish or German in the home with one or both parents.
- the student has lived for a reasonable amount of time in a country where Spanish or German is the official language.

Foreign exchange students are encouraged to enroll in a language different from their native language. The fluency they have in their native language exceeds our goals; therefore, their focus should be on English or a new language.

Note: All German and Spanish courses will be taught using the target language 90% of the time.
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>German I §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>German II §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of German I</td>
</tr>
<tr>
<td>Honors German III §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of German II</td>
</tr>
<tr>
<td>Honors German IV §</td>
<td>1</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Honors German III</td>
</tr>
<tr>
<td>ESL Resource</td>
<td>0.5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>ACCESS Screener English Proficiency Test</td>
</tr>
<tr>
<td>Spanish I §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Spanish II §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Spanish I</td>
</tr>
<tr>
<td>Honors Spanish II §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Spanish I</td>
</tr>
<tr>
<td>Spanish III §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>Successful completion of Spanish II</td>
</tr>
<tr>
<td>Honors Spanish III §</td>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Spanish II</td>
</tr>
<tr>
<td>Spanish IV §</td>
<td>1</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>Successful completion of Spanish III</td>
</tr>
</tbody>
</table>

§NCAA accredited core course
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Spanish IV §</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>Successful completion of <em>Honors Spanish III</em></td>
</tr>
</tbody>
</table>

§NCAA accredited core course
WORLD LANGUAGES AND ENGLISH LANGUAGE LEARNERS COURSES

German I§

Prereqs: None  
Grades: 9-12  
Credits: 1

Description: Students will be taught German through a variety of methods based on the textbook Sag Mal. Students will develop basic vocabulary and grammar through activities developed for various learning styles. Cultural topics will also be addressed. Student comprehension is verified by the use of numerous quizzes, tests and performance based assessments. As students progress, they will begin speaking and reading within the context of their vocabulary. 90% of this course will be conducted in German. The majority of the homework assignments for this course are completed online. All students have access to computer labs at both campuses before/after school and during lunch. (Transfer students with previous German instruction must confer with World Language Division Chair for correct placement.)

German II§

Prereqs: Successful completion of German I  
Grades: 10-12  
Credits: 1

Description: Students will continue to expand their basic vocabulary and be introduced to more complex grammar concepts. Cultural topics will also be addressed. Students will participate in class discussions, oral responses, reading and listening activities. 90% of this course will be conducted in German. The majority of the homework assignments for this course are completed online. All students have access to computer labs at both campuses before/after school and during lunch. (Transfer students with previous German instruction must confer with World Language Division Chair for correct placement.)

Honors German III§

Prereqs: Successful completion of German II  
Grades: 11-12  
Credits: 1

Description: Students will continue to expand their basic vocabulary. Accuracy will begin to be stressed and grammatical concepts introduced. Writing skills will be developed at a higher level. Students will be expected to create their own stories and to write longer compositions. Cultural topics will also be addressed. This course will move at a faster pace with authentic readings and listening activities being provided. Assignments and projects will be graded using an honors rubrics. This course is completely taught in German with no English language support. The majority of the homework assignments for this course are completed online. All students have access to computer labs at both campuses before/after school and during lunch.

§NCAA accredited core course
Honors German IV§

Prereqs: Successful completion of Honors German III
Grades: 12
Credits: 1

Description: A college teaching approach is used to strengthen speaking skills and grammatical understanding. Students will be presented with advanced grammatical concepts along with thematic vocabulary units at a college level pace. Students will participate in class discussions, oral responses, reading activities and writing essays of varied lengths. This course is completely taught in German with no English language support. The majority of the homework assignments for this course are completed on-line. Students without internet access at home have access to computer labs at both campuses before/after school and during lunch.

ESL Resource

Prereqs: ACCESS Screener English Proficiency Test
Grades: 9-12
Credits: 0.5

Description: ESL courses are designed for students who are deficient in English because it is their second language. Initially, students are given the W-APT Screener or the ACCESS English Proficiency Test to determine if they qualify. Students are then placed in the ESL course. Students normally take the course all year for up to four years. When they are proficient enough in English, they are exited from the program. Students learn to speak, listen, read, and write English. Credit for ESL courses can apply as elective credit.

Spanish I§

Prereqs: None
Grades: 9-12
Credits: 1

Description: Students will be taught Spanish through acquisition using TPRS (Teaching Proficiency through Reading and Storytelling) techniques and textbook activities. With this technique, students will be presented daily with comprehensible Spanish in low-anxiety situations. A basic vocabulary will be acquired through the use of commands and stories. Cultural topics about Spain and US Hispanic culture will also be addressed. Student comprehension is verified by the use of numerous quizzes. As students progress, they will begin speaking and reading within the context of their basic vocabulary. Free writing will also be developed. (Transfer students with previous Spanish instruction must confer with World Language Division Chair for correct placement.) Spanish will be used in class 90% of the time.

§NCAA accredited core course
### Spanish II$§$

**Prereqs:** Successful completion of *Spanish I*

**Grades:** 10-12

**Credits:** 1

**Description:** Students will expand their basic vocabulary using the TPRS (Teaching Proficiency through Reading and Storytelling) techniques and textbook activities. Cultural topics about Spain and Latin America will also be addressed. Students will participate in class discussions, oral responses, reading activities, and free writing. Vocabulary and grammar quizzes will be based on stories. (Transfer students with previous Spanish instruction must confer with World Language Division Chair for correct placement.) Spanish will be used in class 90% of the time.

### Honors Spanish II$§$

**Prereqs:** Successful completion of *Spanish I*

**Grades:** 10-12

**Credits:** 1

**Description:** Students will expand their basic vocabulary using TPRS (Teaching Proficiency through Reading and Storytelling) technique. Cultural topics about Spain and Latin America will also be addressed. Students will participate in class discussions, oral response, reading activities and free writing. Vocabulary and grammar quizzes will be based on stories. This course will move at a faster pace with Pre-AP activities and authentic readings and listening activities in Spanish being provided. Assignments and projects will be graded using an honors rubric. Transfer students with previous Spanish instruction must confer with World Language Division Chair for correct placement. Spanish will be used in class 90% of the time.

### Spanish III$§$

**Prereqs:** Successful completion of *Spanish II*

**Grades:** 11-12

**Credits:** 1

**Description:** Students will continue to expand their basic vocabulary and language skills using the TPRS (Teaching Proficiency through Reading and Storytelling) techniques and textbook activities. Accuracy will begin to be stressed and grammatical concepts will be introduced. Writing skills will be developed at a higher level. Students will be expected to be able to create their own stories and to write longer compositions. Cultural topics about Spain and Latin America will also be addressed. Spanish will be used in class 90% of the time.

### Honors Spanish III$§$

**Prereqs:** Successful completion of *Spanish II*

**Grades:** 11-12

**Credits:** 1

**Description:** Students will continue to expand their basic vocabulary using TPRS (Teaching Proficiency through
Reading and Storytelling) technique. Accuracy will begin to be stressed and grammatical concepts introduced. Writing skills will be developed at a higher level. Students will be expected to create their own stories and to write longer compositions. Cultural topics about Spain and Latin America will also be addressed. This course will move at a faster pace with pre-AP activities and authentic readings and listening activities in Spanish being provided. Assignments and projects will be graded using honors rubrics. Spanish will be used in class 90% of the time.

**Spanish IV§**

**Prereqs:** Successful completion of *Spanish III*

**Grades:** 12

**Credits:** 1

**Description:** TPRS is phased out and a college teaching approach is used to strengthen speaking skills and grammatical understanding. Students will be presented with advanced grammatical concepts along with thematic vocabulary units. Students will participate in class discussions, oral responses, reading activities, and free writing. Vocabulary and grammar quizzes will be based on text and class activities. This course is taught completely in Spanish for parts one and two.

**AP Spanish IV§**

**Prereqs:** Successful completion of *Honors Spanish III*

**Grades:** 12

**Credits:** 1

**Description:** A college teaching approach is used to strengthen speaking skills and grammatical understanding. Students will be presented with advanced grammatical concepts along with thematic vocabulary units at a college level pace. Students will participate in class discussions, oral responses, reading activities and writing essays of varied lengths. Units of study will focus on assignments expected for successful completion of the AP Spanish Language and Culture Exam which entail reading and listening comprehension of different native accents, completing simulated conversations and making a cultural comparison oral presentation, writing a persuasive essay and answering an e-mail with appropriate register. This course is completely taught in Spanish with no English language support. All students enrolled in *AP Spanish IV* are expected to take the AP exam in May and may receive advanced placement college credit based upon exam score. Summer work will be required of students taking this course.