

Harrisburg High School

2025-2026

Course Description Book

High School Graduation/College Entrance Requirements



Harrisburg High School

Course Description Book

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The **HHS Course Description Book** is designed to help parents and students plan an effective academic program. For additional support or questions, please contact the Guidance Office.

This guide includes the following information:

- High School Graduation Requirements
- College-Bound Graduation Requirements
- HHS Grading Scale
- Parchment (Electronic Transcript Requests)
- Southeastern Illinois College (SIC) Early
- State Testing Information
- Academic Pathways (English, Math, Science, and Social Studies)
- Course Descriptions
- Matrix Program

Please note: **Not all courses listed are offered every academic year.** Course availability depends on faculty resources, budget constraints, curriculum updates, and student interest.

Important Terms

Dual Credit

Dual Credit courses allow high school students to earn both high school and college credit simultaneously for the same course. These classes often follow a college-level curriculum and are taught by qualified high school instructors. The credits earned typically count toward both high school graduation and a college degree or certificate.

Example: A student takes English 101 through Southeastern Illinois College at their high school and earns credit on both their high school and college transcripts.

Dual Enrollment

Dual Enrollment refers to a student being enrolled in both high school and college at the same time. Unlike dual credit, dual enrollment courses may or may not count toward high school graduation—they are often taken in addition to high school courses and usually occur on a college campus or online.

Example: A student is enrolled at Harrisburg High School but also takes a college course like Psychology 110 at SIC, earning only college credit.

Weighted Class

Harrisburg High School designates **eight academically rigorous courses** as *weighted*. Students who successfully complete one of these courses will receive an **additional 0.025** added to their GPA **each semester**.

Parchment

Parchment is an **online platform** used to **send high school transcripts electronically** to colleges, universities, and other institutions.

Harrisburg High School Graduation Requirements

To graduate, students must earn a total of **24 credits**, including the following:

English

- 4 years/credits of English
- Must include **2 years of writing-intensive courses** embedded within the English curriculum

Mathematics

- 3 years/credits of math
- Must include:
 - 1 year/credit of Algebra I
 - 1 year/credit of a course with geometry content

Science

- 2 years/credits of science

Social Studies

- 3 years/credits, including:
 - ½ year/credit of Illinois Civics (Sophomore year)
 - ½ year/credit of Illinois Government (Sophomore year)
 - 1 year/credit of U.S. History (Junior year)
 - 1 year/credit of Social Studies electives (any year)
- Must also pass the following tests (administered in Government class):

- Illinois Constitution
- U.S. Constitution
- Flag Etiquette

Consumer Education

- ½ year/credit of Consumer Education

Physical Education

- 4 years/credits total, including:
 - 3 years/credits of PE or Athletics
 - ½ year/credit of Driver's Education/Health
 - ½ year/credit of Health

Fine Arts or Vocational Education

- ½ year/credit in Music, Art, Foreign Language, or Vocational Education

College Entrance Requirements

The following minimum requirements are based on Illinois public universities. Students should verify admissions criteria for each university they are interested in attending.

- **4 credits of English**
(Emphasizing written and oral communication and literature)
 - **3 credits of Social Studies**
(Emphasizing World History, U.S. History, and Government)
 - **3 credits of Mathematics**
(Minimum courses: Algebra I, Algebra II, and Geometry)
 - **3 credits of Science**
(Emphasizing Biology, Chemistry & Physics - laboratory sciences)
 - **2 credits of Foreign Language, Music, Art, or Vocational Education**
(2 years of the same Foreign language recommended)
-

Important:

Some universities require **2 credits of the same foreign language** for admission. Students planning to attend college as freshmen are encouraged to take **Spanish I and Spanish II** as part of their college-bound curriculum.

Additional Admission Factors

College admissions decisions will also consider:

- GPA
- Standardized test scores
- Class rank
- Extracurricular activities

- Academic awards
 - Community service
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Technical Program Students

Students enrolling in technical programs at community colleges are **not subject** to these entrance requirements.

Private Colleges and Universities

Private colleges and universities establish their own specific admission requirements, which may vary significantly from one institution to another. It is essential that students carefully review the admissions criteria for each private institution to which they plan to apply.

Many private institutions maintain selective policies regarding the acceptance of dual-enrollment or dual-credit coursework. Therefore, students intending to enroll at a private college or university should verify whether credits earned through dual credit programs will be recognized toward degree requirements.

College Exploration, Testing, and Financial Aid Resources

[My BigFuture Account](#)

Create a **My BigFuture** account through the College Board to explore career paths, plan for college, search for scholarships, and access additional planning resources.

[MyACT Account](#)

Set up a **MyACT** account to register for the ACT, view and send scores, and access both free and paid test preparation materials. The platform also offers college and career planning tools, including a career map and interest inventory, to help students explore career options based on their personal interests and strengths.

[Federal Student Aid \(FAFSA\)](#)

Complete the **Free Application for Federal Student Aid (FAFSA)** to apply for federal, state, and institutional financial aid. *Senior students are required to complete the FAFSA as part of their graduation requirements.*

[ACT Registration & Test Dates](#)

Register for the **ACT** and review upcoming test dates.

[SAT Registration & Test Dates](#)

Register for the **SAT** and view available test dates.

NCAA Eligibility and Registration

Athletes who are planning to attend college and want to pursue an athletic scholarship, will need to complete the NCAA Eligibility process in order to be eligible for Division I, II or III Scholarships

It is important to begin this process early in your high school career in order to meet eligibility requirements. Use the below link to check your eligibility and register with NCAA:

[NCAA Registration](#) Register with the **NCAA Eligibility Center** to begin the certification process for college athletic participation.

Grading Scale

A **4.0 grading scale** is used to calculate Grade Point Average (GPA):

Letter Grade	Grade Points
A	4.0
B	3.0
C	2.0
D	1.0
F	0.0

Weighted GPA

Students may earn **above a 4.0 GPA** by enrolling in **weighted courses**.

Weighted Courses

- English III Honors*
- AP English IV*
- Pre-Calculus Honors* or Pre-Calculus DC*
- Calculus* or Calculus DC*
- U.S. History Honors*

- Physics Honors*
- Biology II DC*
- Chemistry II*

*Weighted courses receive **an additional 0.025 GPA points per semester**.

Important Note:

Calculus and Calculus DC, as well as Pre-Calculus Honors and Pre-Calculus DC, cover the same course content. Students are placed in either the standard or Dual Credit (DC) version based on their eligibility for college credit. Eligibility for DC courses requires a qualifying score on the appropriate assessment.

Parchment: Electronic Transcript Requests

Parchment is an online platform for requesting and sending high school transcripts. Harrisburg High School uses Parchment to securely send transcripts to colleges, universities, and other institutions for both current students and alumni.

Register for Your Free Account

1. Go to Parchment.com.
2. Locate **Harrisburg High School**.
3. Create your profile using your personal email address.

Request Your Transcript

1. Click **Order**.
2. Select a destination, such as a college, the Common Application, or yourself.
3. Review your order and complete the checkout.

Note: Parchment is **free for current HHS students**. Alumni will be charged a **\$3.00 processing fee** per transcript.

Track Your Transcript

1. Monitor your email for updates regarding your order.
2. Log in to your Parchment account for detailed status information.

Need Assistance?

- Visit [Parchment Support](#)
- Call the HHS Guidance Secretary at **(618) 253-7637, ext. 2113**

Southeastern Illinois College (SIC) Early College Program

Students who maintain a cumulative **GPA of 3.25 or higher** are eligible to participate in SIC's **Early College Program**. Qualified students will receive a **tuition scholarship** and may enroll in college-level courses through SIC. Please note that **students are responsible for paying course fees and purchasing textbooks**.

Eligibility Requirements

To qualify for the Early College Program, students must meet the following criteria:

- Maintain a **minimum GPA of 3.25**
- Complete the **ACCUPLACER** assessment and achieve the minimum qualifying scores:
 - **Reading:** 253 or higher
 - **Writing:** 250 or higher
 - **Math (QAS):** 260 or higher
- *Alternatively, students may qualify through standardized test scores:*
 - **SAT:** Composite score of 1020, with a minimum of 480 in Verbal or 530 in Math
 - **ACT:** Composite score of 20, with a minimum of 20 in English or 20 in Math

Eligible students will receive a notification letter from Southeastern Illinois College confirming acceptance into the program.

Program Expectations

Participants in the Early College Program are expected to demonstrate responsibility and academic commitment. Students must earn a grade of **“C” or higher** in all college courses to remain in good standing within the program.

Failure to meet course requirements or to complete assignments may result in the instructor withdrawing the student from the course. In such cases, a grade of “**W**” (**Withdrawal**) will appear on the student’s **permanent college transcript**.

Students who fail a college course will receive a permanent grade of “**F**” on their transcript, which may impact future eligibility for **financial aid**. Because of these academic consequences, students should be fully dedicated and prepared to manage the rigor of college-level coursework.

Contact Information

For questions or additional information about the Early College Program, please contact:

SIC Dual Credit Coordinator

Phone: (618) 252-5400, ext. 2245

State Testing: PreACT 8/9, PreACT 10 & ACT

The **ACT** is administered each school year. The **Illinois State Board of Education (ISBE)** requires all public-school students in **11th grade** to take the **ACT with Writing** on the state-scheduled ACT school-day administration. Some **12th-grade students** may also be required to take the assessment, as appropriate.

Students who **do not** participate in the state-administered ACT will **not be eligible to receive a high school diploma**, as completion of the ACT with Writing is a **graduation requirement**.

Additionally, ISBE requires the following assessments for all public-school students:

- **9th grade:** PreACT 8/9
 - **10th grade:** PreACT 10
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Creating a MyACT Account

Creating a [MyACT account](#) provides access to ACT programs that support **college and career exploration**, as well as the ability to view test scores. Students should create a MyACT account at the **beginning of 9th grade** to access scores for the PreACT 8/9, PreACT 10, and ACT.

Students **13 years and older** can create a MyACT account by completing the online registration form and choosing a **username and password**. Students should **create only one account** and use **consistent personal information** for each assessment registration. **DO NOT** set up more than one account and store your password in a safe place.

PreACT 8/9

The **PreACT 8/9** is a standardized assessment for students in **grades 8 and 9**. It serves as a **precursor to the ACT**, helping students develop foundational skills in reading, English, math, and science.

- Provides students with an **early look at the types of questions** on the ACT.
- Offers a **predicted ACT score range**, helping students and educators identify areas for improvement.
- Assesses student readiness in core subject areas and informs schools to **tailor instruction**.

Test Format and Content:

- **English:** Grammar, punctuation, sentence structure, and rhetorical skills
- **Math:** Algebra, geometry, and basic trigonometry
- **Reading:** Comprehension and analysis of written passages
- **Science:** Interpretation, analysis, and problem-solving using scientific data

The PreACT 8/9 is typically administered in **paper-and-pencil format or digital** and is a valuable tool for preparing students for future standardized testing.

PreACT 10

The **PreACT 10** is a standardized assessment for **10th-grade students**. It acts as a **practice test for the ACT**, providing an early indicator of college readiness.

The PreACT 10:

- Helps students **identify strengths and areas for improvement** before taking the ACT in 11th or 12th grade
- Provides a **predicted ACT score range** to guide academic planning
- Supports educators and parents in **tracking student progress** and tailoring support

Test Format and Content:

- **English:** Grammar, punctuation, sentence structure, and rhetorical skills
- **Math:** Algebra, geometry, and basic trigonometry
- **Reading:** Comprehension and analysis across various subjects
- **Science:** Interpretation, analysis, and reasoning using scientific data

Like the PreACT 8/9, the PreACT 10 is **multiple-choice** and helps students develop **test-taking strategies** and manage **test anxiety**.

ACT

The **ACT** is a nationally recognized college admissions test that evaluates a student's readiness for college. It is typically taken by **high school juniors and seniors** and is widely used by colleges as part of the admissions process.

ACT Sections:

- **English:** Tests grammar, punctuation, sentence structure, and rhetorical skills, including revision and editing of written text
- **Math:** Covers algebra, geometry, trigonometry, and basic arithmetic; assesses problem-solving and application of concepts
- **Reading:** Involves comprehension and analysis of passages from literature, social science, and natural science
- **Science:** Evaluates the ability to interpret, analyze, and evaluate scientific data, including graphs, experiments, and research

The ACT also includes an **optional Writing section**, which assesses critical thinking and written communication skills.

Scoring:

- Each section is scored **1–36**, with a **composite score** calculated as the average of all sections
- Scores provide a **predicted college GPA** and other insights to guide academic planning
- Results offer students an opportunity to **showcase strengths** and assess **college readiness**

Online ACT Prep Resources

Several reputable online resources are available to help students prepare for the ACT, ranging from free tools to paid programs:

- [ACT.org](https://www.act.org) – Offers a **free study guide**, a **full-length practice test**, and **online prep events**. After taking the test, students receive a **score report with personalized resources** tailored to areas that need improvement.
- [Khan Academy](https://www.khanacademy.org) – While primarily known for SAT prep, Khan Academy offers **concept review and practice** that can be helpful for ACT preparation, particularly for understanding question wording and core concepts.
- [Kaplan](https://www.kaplanprep.com) – Provides a **free online ACT practice test**, short quizzes, and a **sample class** covering sections such as English, Math, and Reading. Paid prep programs are also available for more comprehensive support.
- [The Princeton Review](https://www.princetonreview.com) – Offers **free online ACT practice tests**, free courses focusing on **test-taking strategies** and **college guidance**, and free trials for some of their paid programs.
- [ACT Online Prep App](https://www.act.org/online-prep) – ACT's official prep app, which is designed to help students **predict their ACT score accurately**. This app is part of the **ACT Online Prep program** and is available for **\$39.95**.

These resources provide students with a variety of options to practice, strengthen skills, and build confidence before taking the ACT.

High School English Graduation Requirements

Students must successfully complete **four years of English** and **two years of writing-intensive courses**, which are integrated into the English curriculum. **Freshman English placement** is determined by the eighth-grade teacher's recommendation.

Course Sequence

- **9th Grade:** English I Honors, English I, or Resource English I
 - **10th Grade:** English II Honors, English II, or Resource English II
 - **11th Grade:** English III Honors*, English III, or Resource English III
 - **12th Grade:** English IV Honors (ENG 121 & ENG 122) DC*, English IV, English IV/News Production, English IV VOC, or Resource English IV
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Basic College-Bound English Requirements

Note: Entry requirements vary by institution. Always verify admission requirements with the specific college or university you plan to attend. Four years of college-preparatory English are required. Freshman placement is based on the eighth-grade teacher's recommendation.

Course Sequence

- **9th Grade:** English I Honors or English I
 - **10th Grade:** English II Honors or English II
 - **11th Grade:** English III Honors* or English III
 - **12th Grade:** English IV Honors DC* or English IV
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Most Competitive College-Bound English Sequence

Note: Entry requirements vary by institution. Always verify admission requirements with the specific college or university you plan to attend. Students pursuing the **most rigorous English path** or aiming for **Valedictorian** should follow the sequence below. Freshman placement is based on the eighth-grade teacher's recommendation.

Most Competitive Course Sequence

- **9th Grade:** English I Honors
- **10th Grade:** English II Honors
- **11th Grade:** English III Honors*
- **12th Grade:** English IV Honors DC*

Key:

- **DC** = Dual Credit
- ***** = Weighted Course

Graduation & College-Bound Math Requirements

Students must successfully complete 3 years/credits which must include Algebra I and Geometry. Admission requirements vary by college or university. **Always check the specific math requirements** for the institution you plan to apply to.

Freshman Year Options - Placement is determined by HMS Math Teacher

- Algebra I – Part 1
 - Algebra I
 - Geometry Honors
 - ResMath I
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Math Sequences

Math Sequence for Students Placed in Algebra I Part 1 (Freshman Year)

- 9th Grade: Algebra I Part 1
- 10th Grade: Algebra I Part 2
- 11th Grade: Geometry Concepts, Geometry, or Geometry Honors
- 12th Grade: (Optional): Algebra II or Algebra II Concepts

Notes:

- Students following this sequence and planning to attend college **must take Algebra II** in 12th grade.
 - Geometry Concepts is slower paced, designed for students who struggle with math, and is **not considered college-preparatory**.
 - Algebra II Concepts is slower paced, designed for students who struggle with math, and is **not considered college-preparatory**.
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Math Sequence for Students Placed in Algebra I (Freshman Year)

- 9th Grade: Algebra I or Algebra I Double Block (DB)
- 10th Grade: Geometry Concepts, Geometry or Geometry Honors
- 11th Grade: Algebra II, Algebra II Honors, or Algebra II Concepts
- 12th Grade (Optional): Intermediate Algebra (Math 109, transition math), College Algebra DC (Math 128), or Pre-Calculus DC*

Notes:

- College-bound students must complete **Algebra II** as a minimum math requirement.
 - Geometry Concepts is slower paced and **not college-bound**.
 - Algebra II Concepts is slower paced, designed for students who struggle with math, and is **not considered college-preparatory**.
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Math Sequence for Students Placed in Geometry Honors (Freshman Year)

- 9th Grade: Geometry Honors
- 10th Grade: Algebra II or Algebra II Honors
- 11th Grade: Intermediate Algebra (Math 109), College Algebra DC (Math 128), or Pre-Calculus DC* (Math 128 & 161)
- 12th Grade (Optional): Intermediate Algebra (Math 109), College Algebra DC (Math 128), Pre-Calculus DC* (Math 128 & 161), Statistics DC (Math 141) or Calculus DC* (Math 162)

Notes:

- Intermediate Algebra has a prerequisite of **Algebra II or Algebra II Honors**, but can be taken after College Algebra/Pre-Calculus.
 - Statistics has a prerequisite of College Algebra DC.
 - Calculus has a prerequisite of **Pre-Calculus or Pre-Calculus DC***.
 - Students who follow this sequence will meet **college-bound math requirements**. Completing more advanced math and science courses increases college major options.
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Most Competitive College-Bound Math Sequence

Note: Entry requirements vary by institution. **Always check the admissions requirements** for the college or university you plan to apply to.

Students aiming to compete for **valedictorian** should follow this sequence.

- **9th Grade:** Geometry Honors
- **10th Grade:** Algebra II Honors
- **11th Grade:** Pre-Calculus DC* (Math 128 & Math 161)
- **12th Grade:** Calculus DC*(Math 162)

Dual Credit (DC) Math Class Eligibility Requirements:

To qualify for dual credit math courses, a student must achieve **one** of the following:

- **ACT:** 20 on the Math section **or** a composite score of 20
- **SAT:** 530 on the Math section **or** a composite score of 1020
- **QAS ACCUPLACER:** 260 on the Math section
- **QAS ACCUPLACER (Math 109 only):** 240

Key:

- **DC** = Dual Credit
- ***** = Weighted Course

High School Science Graduation Requirements

Students must complete **two credits of science** to graduate from Harrisburg High School. **Freshman science placement** will be determined by **eighth-grade teacher recommendation**.

- **9th Grade:** Physical Science, Physical Science Honors or ResScience I
- **10th Grade:** Biology I or ResScience II

Note:

Students are encouraged to **continue with science courses beyond the two-credit graduation requirement**.

Basic College-Bound Science Requirements

Entry requirements vary by institution. Always check the admissions requirements for the college or university you plan to apply to. The minimum college-bound requirement is three (3) laboratory science credits.

Recommended Sequence:

- **9th Grade:** Physical Science or Physical Science Honors
- **10th Grade:** Biology I
- **11th Grade:** Chemistry I
- **12th Grade:** Physics, Physics Honors*, Anatomy & Physiology (DC), Biology II DC*, or Chemistry II*

Note:

- Students planning to attend a 4-year university as a freshman are recommended to take four or more science courses.
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Most Competitive College-Bound Science Sequence

Entry requirements vary from institution to institution. ALWAYS check admissions requirements for the college or university you are applying to. Students wanting to be **Valedictorian** should follow the sequence below:

Recommended Sequence

- **9th Grade:** Physical Science Honors + Biology I
- **10th Grade:** Chemistry I
- **11th Grade:** Biology II (DC)* & Honors Physics* (**for Valedictorian**)
- **12th Grade:** Chemistry II* (**for Valedictorian**) — Anatomy & Physiology (DC) may also be taken

Note:

Chemistry I (Grade of C or better) is a prerequisite to the following courses:

Physics

Anatomy/Physiology (DC)

Biology II (DC)*

Chemistry II*

Honors Physics*

Abbreviations:

- **DC** = Dual Credit
- ***** = Weighted

Graduation and College Bound Social Studies Requirements

Students must complete 3 years/credits of social studies courses to graduate. Entry requirements vary from institution to institution. ALWAYS check admissions requirements for the college or university you are applying to. **Three (3) credits** of SS are recommended for college admission.

Social Studies Sequence by Grade:

- **9th Grade:** Optional SS Elective(s)
- **10th Grade:** Government (1 semester) & Civics (1 semester)
- **11th Grade:** US History or Honors US History* (Full Year)
- **12th Grade:** Optional SS Elective(s)

Notes:

- Students aiming to be **Valedictorian** should take **Honors US History** in place of US History.
- One full credit of SS includes **two semester-based electives**, each worth 1/2 credit.

Abbreviation:

- SS = Social Studies
- * = Weighted

COURSE DESCRIPTIONS

English Department

English I (& Honors English I) (01001A000)

The first level of high school English focuses primarily on Common Core standards. Students will be given an introduction to the basic genres of literature. They will also receive instruction in writing and work both individually and in groups on projects and presentations that correspond to their reading assignments.

Additionally, students will receive instruction in the reading and writing skills and academic vocabulary for state testing. Students enrolled at the Honors level will be required to complete more sophisticated writing assignments and additional readings.

Credit: 1 credit

English II (& Honors English II) (01002A000)

The second level of high school English focuses primarily on Common Core standards associated with writing and grammar. Students will receive formal instruction in grammar and rhetorical skills required for successful completion of state testing.

Students enrolled at the Honors level will be required to complete more sophisticated writing assignments and additional readings.

Credit: 1 credit

Honors English I or a teacher recommendation from English I is required for admission to the Honors English II class.

American Literature/English III (& Honors English III*) (01054A000)

In English III students study American literature chronologically with an emphasis on the historical and intellectual background of each era. Students will be given instruction in more complex writing, and grammar will be reviewed as needed. Students enrolled at the Honors level will be required to complete more sophisticated writing assignments and additional readings. Honors English II or a teacher recommendation is required for admission to the class.

Credit: 1 credit

English IV & Honors (01056A000/01056A000)

In English IV students study British literature chronologically with an emphasis on the historical and intellectual background of each era. Students will also focus on enhancing their skills in research, writing, MLA formatting, grammar and critical thinking.

Students enrolled at the Honors English IV will be completing college level English 121 during semester 1 and will complete college level English 122 during semester 2.

Dual credit: 6 college credit hours

Credit: 1 credit

English IV Vocational (01156A000)

In this section of senior English, students focus on vocational preparation as it pertains to the English language. We read a variety of materials and complete analysis and essays. We also spend time preparing job application packets to use in the workplace. Students will be required to complete a research assignment and essay. This section of English is for students who plan to directly enter the workforce after high school, it is not a college preparation section.

Credit: 1 credit

Multimedia News Production/News Production English IV (Newspaper) (11101A000/01102A000)

Multimedia News Production: Students learn the basics of news reporting and editing for print and broadcast productions while producing *The Purple Clarion* and content for the online version of the paper. Skills learned in the class will include photography, videography, desktop publishing, web design, advertising, interviewing, writing, editing, and much more. Staff members will have the opportunity to compete in the IHSA state series and to attend state and national conferences as part of the class. Juniors and seniors have the option to earn six credits from SIC through the dual-enrollment program. Enrollment on the staff is open to any student, 9-12 grades.

Credit: 1 credit

Publications (Yearbook) (11104A000)

The class is responsible for production of *The Keystone*, the HHS Yearbook. Students will be responsible for helping create pages in the yearbook. Students should be willing to attend activities during and after school to help cover the events of the year. Students may repeat the course.

Credit: 1 credit

SI Legends & Lore (01065A000)

In this class we will dive into the literature of Southern Illinois. We study units on Native American Literature, haunted stories of the area, the Charlie Birger Gang and the mysteries of Burrows Cave. The class requires independent and class reading as well as writing assignments. We also chart family trees and do genealogical research. This is an English elective. It counts as an elective credit, and does not fill an English requirement.

Credit: 1 credit

Spanish I (24052A000)

Prerequisite: Grade of C or better in previous year's English course

However, students should have a highly functioning level of English vocabulary and a solid foundation and knowledge of English grammar prior to taking this course. Students with low English scores are not recommended for this course. This is a college preparation course and is recommended only for serious students. Priority is given to sophomores, juniors, and senior students planning to attend a four year bachelor program or higher.

Students must earn a grade of C or higher to move up to the next language level of Spanish II. Students earning a grade of D will receive one graduation credit but may not move up. To move up and earn two credits, students earning a D must repeat the course and earn a C or better to get the two graduation credits and move on to Spanish II. Students repeating a class may not earn more than two credits.

Credit: 1 credit

Spanish II (24053A000)

Prerequisite: Spanish I with a grade of C or better.

Students should have a high functioning level of English vocabulary and a solid foundation and knowledge of English grammar and syntax prior to taking this course. Students with low English scores are not recommended for this course.

This is a tough and demanding college preparation course and is recommended only for very serious students. Priority is given to seniors and juniors planning to attend a four year bachelor program or higher.

Students continue to develop fluency in all four language skills of reading, writing, listening, and speaking at consistently higher levels. They develop their understanding of the target language in order to respond independently and confidently to various media using complex sentences and language structures. Students produce longer writing samples from two to four or more paragraphs about familiar topics such as family, friends, travel, academics, and careers. Students may be required to read and

translate lengthy articles in the target language: Spanish to English or English to Spanish. These activities may be limited. Listening activities may be longer and require more intense focus in order for the student to provide more advanced responses.

Students demonstrate an understanding of traditions, customs, beliefs, and cultural contributions and how these elements relate to language. Themes and topics of the target culture are presented and discussed. A minimal amount of class time may be spent on the introduction of Hispanic art, music, sculpture or literature depending upon the circumstances.

Credit: 1 credit

Math Department

Based on their eighth-grade achievement, freshman students are enrolled in Algebra 1—Part 1, Algebra I, or Geometry Honors.

Three mathematics credits are required for high school graduation; the state requires all students to take Algebra and Geometry.

(02053A000) Algebra I - Part 1

The first part in a multi-part sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents, and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities

Credit: 1 Math Credit

Prerequisite(s): none

(02054A000) Algebra I - Part 2

The second part in a multi-part sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first-degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

Credit: 1 Math Credit

Prerequisite(s): Algebra I - Part 1

(02052A000) Algebra I

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

Credit: 1 Math Credit

Prerequisite(s): none

(02072A000) Geometry Concepts

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Credit: 1 Math Credit

Prerequisite(s): Algebra I

(02072A000) Geometry

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Credit: 1 Math Credit

Prerequisite(s): Algebra I

(02072A000) Geometry Honors

Geometry Honors will be a more rigorous study of the same topics as Geometry.

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Credit: 1 Math Credit

Prerequisite(s): C or higher in Algebra I (in the 8th grade)

(02056A000) Algebra II Concepts

Algebra II course topics typically include set theory; operations with rational and irrational expressions; factoring of rational expressions; linear equations and inequalities; quadratic equations; solving systems of linear equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

Credit: 1 Math Credit

Prerequisite(s): Geometry or Geometry Concepts

(02056A000) Algebra II

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

Credit: 1 Math Credit

Prerequisite(s): Geometry

(02056A000) Algebra II Honors

Algebra II Honors will be a more rigorous study of the same topics as Algebra II. Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

Credit: 1 Math Credit

Prerequisite(s): C or higher in Geometry Honors

(02055A000) Intermediate Algebra TM001 (Seniors: High School Transitional Math 4 - STEM) (Juniors: Dual Credit Option: MATH 109; 3 college credits)

Intermediate Algebra reviews real numbers, first-degree equations and inequalities, absolute value equations, polynomials and factoring, algebraic fractions and equations, integer and rational exponents, radicals, complex numbers, second-degree equations and inequalities, graphing and functions.

Credit: 1 Math Credit

Prerequisite(s): Algebra II

Transitional Math: Students who earn a C or higher in the course will be guaranteed placement into College Algebra at any community college in the State of Illinois. Students must be seniors and must have completed their mathematics graduation requirements.

Dual Credit: Accuplacer QAS score of at least 240.

Students cannot earn both Transitional Math and Dual Credit.

(02069A000) College Algebra (Dual Credit option: MATH 128; 3 college credits)

College Algebra is the algebra of functions - linear, polynomial, rational, exponential, and logarithmic; solving equations and inequalities based upon these functions; systems of equations and matrix operations; conic sections; and sequences and series. This class is offered as a year-long course or during the first semester.

Credit: 1 Math Credit

Prerequisite(s): Algebra II

Dual Credit: Accuplacer QAS score of at least 260. ACT composite and/or math score of at least 20. SAT composite score of at least 1020; math score of at least 530.

(02205A000) Statistics (Dual Credit option: MATH 141; 3 college credits)

Statistics studies descriptive statistics, basic probability theory, probability distributions, statistical inference, correlation and regression, and the analysis of variance. An emphasis will be placed on applications in business, education, nursing, social sciences, and STEM fields.

Credit: 1 Math Credit

Prerequisite(s): C or higher in College Algebra (MATH 128)

(02110A000) Pre-Calculus

(Dual Credit option: S1: MATH 128; 3 credits and S2: MATH 126; 3 college credits)

S1: College Algebra is the algebra of functions - linear, polynomial, rational, exponential, and logarithmic; solving equations and inequalities based upon these functions; systems of equations and matrix operations; conic sections; and sequences and series. This class is offered as a year-long course or during the first semester.

S2: Trigonometry reviews geometric concepts, trigonometric functions, and the inverse functions, radian measure, identities and equations, solutions of oblique and right triangles, and power and roots of complex numbers.

Credit: 1 Math Credit

Prerequisite(s): C or higher in Algebra II Honors

Dual Credit: Accuplacer QAS score of at least 260. ACT composite and/or math score of at least 20. SAT composite score of at least 1020; math score of at least 530.

Weighted Course: This class receives a 0.025 additive for passing each semester. The additive will be given after the student's grade is calculated.

(02121A000) Calculus (Dual Credit option: MATH 162; 5 college credits)

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).

Credit: 1 Math Credit

Prerequisite(s): Pre-Calculus

Dual Credit: C or higher in College Algebra (MATH 128) and Trigonometry (MATH 126)

Weighted Course: This class receives a 0.025 additive for passing each semester. The additive will be given after the student's grade is calculated.

Science Department

Two years of Science are required for graduation. Freshmen will take Physical Science/Lab Science or Honors Physical Science. Biology I is the next course in the sequence, although students in Honors Physical Science may choose to take these concurrently. Students taking a third science course are required to take Chemistry I. Higher level Science electives include DC Anatomy & Physiology, Physics, Honors Physics, Chemistry II, and DC Biology II. Electronics is offered through the Science Department but is not a science credit for graduation. The sequence of courses in the Science Department is designed to facilitate improvement or changes in the four science disciplines identified by the State of Illinois: Life Science, Physical Science, Earth and Space Science, and Science and Engineering Practices.

Honors Physical Science (03159A000)

This laboratory course is designed for students who show a strong interest in science or for those who plan to take multiple high school science courses in preparation for college. Topics covered will involve matter and its structure, chemical reactions, acids and bases, motion and forces, work, energy, simple machines, waves, sound, and Earth and space science. Students will learn appropriate laboratory techniques and methods regarding the collection and interpretation of data. Top students may take this course concurrently with Biology I.

Credit: 1 credit

PREREQUISITE: Middle School Teacher recommendation

Physical Science/Lab Science (03201A000)

This course is designed for freshmen to provide a survey of Physical Science topics. It covers matter and its structure, an introduction to chemical reactions, acids and bases, motion and forces, work, energy, simple machines, waves, sound, electricity, and Earth and space science. It is a laboratory-based survey of biological sciences, chemistry, medical science, and forensic science. It includes “real-world” lab techniques that will be beneficial to a student moving on to college or to a scientific skill-related job.

Credit: 1 credit

Biology I (03051A000)

Biological topics include life processes, cell biology, genetics, ecology, zoology (animal structure and function, including dissection), and plants. In addition, science process skills will be addressed. Biology I fulfills the second required credit for HHS graduation. It is expected by colleges.

Credit: 1 credit

PREREQUISITE: Physical Science/Lab Science, Honors Physical Science or concurrent enrollment in Honors Physical Science

Chemistry I (03101A000)

Students who are preparing for college or are interested in taking elective science classes should enroll in Chemistry I. This lab course includes atomic structure, periodic law, chemical bonding, chemical reactions and equations, stoichiometry, acids and bases, gases, and solutions. Some problem solving activities require Algebra skills.

Credit: 1 credit

PREREQUISITE: Biology I and a grade of C or better in Traditional Algebra I

Physics (03151A000)

Physics is a combination of mathematical application and science theory dealing with the relationship between matter and energy. It includes the study of motion, forces, work, states of matter, sound, light, magnetism, and electricity. It is a junior and senior level course and is necessary for college-bound science preparation.

Credit: 1 credit

PREREQUISITE: Chemistry I, Traditional Geometry and concurrent enrollment in Traditional Algebra II

Honors Physics* (03152A000)

Honors Physics is designed for strong math students or for those who need to meet the college criteria for majors in science areas such as Engineering, Mathematics, or any pre medical field. Topics from the Physics course will be expanded to include more two-dimensional motion, induction, and rotational concepts of motion and momentum. This is a weighted class.

Credit: 1 credit

PREREQUISITE: Chemistry I and Algebra II

Chemistry II* (03102A000)

Chemistry II is a challenging course designed to help college-bound students master general chemistry. Advanced topics will include chemical equilibrium, oxidation-reduction reactions, an introduction to organic and nuclear chemistry, environmental chemistry, and qualitative analysis. The lab component will include a large number of AP chemistry activities. This is a weighted class.

Credit: 1 credit

PREREQUISITE: A grade of 'C' or better in Chemistry I

Anatomy & Physiology (DC) (03053A000)

Anatomy & Physiology (DC) is an advanced human biology course offered to juniors and seniors. The course will transfer as 4 credit hours per semester of college credit if the student earns a "C" or better. The course emphasizes medical terminology, the structure and function of major body systems, and mechanisms of disease.

Credit: 1 credit

PREREQUISITE: A grade of 'C' or better in Biology I and Chemistry I

Biology II (DC)* (03052A000)

Biology II (DC) is an introductory college-level course that will transfer as 4 hours of college credit if the student earns a 'C' or better. The course emphasizes scientific inquiry through selected concepts in Biology including chemical and cellular organization, cellular function, genetics, biodiversity, and ecology. The course has an extensive lab component including dissections. This is a weighted class.

Credit: 1 credit

PREREQUISITE: A grade of 'C' or better in Biology I and Chemistry I

Electronics (17101A000)

The Electronics class covers analysis of series, parallel, and combination direct current circuits using Ohm's Law, Kirchoff's Laws, and power formulas. Students will complete kits by wiring from schematic and soldering components such as resistors, transistors, diodes, capacitors, and integrated circuits. Project kits with spring circuit boards will be used to study a variety of circuit types and component functions. An introduction to electromagnetism and its effect on circuits will be included.

Credit: 1 credit (does not count as a Science credit toward graduation)

PREREQUISITE: Traditional Algebra

Social Studies Department

Social studies are disciplines which are concerned with the relationships of human beings with each other and with their natural environment. Their chief purpose is to aid the individual in understanding the nature and workings of our society. The social studies offered at Harrisburg High School are:

Illinois History (04105A000)

Illinois history is an elective open to any student (Freshman - Senior) interested in the history, literature, and geography of the state of Illinois. Students will study the who, what, when, where, and why people migrated to Illinois from ancient to contemporary times. Special attention will be given to a few famous people and events in Illinois history. Additionally, students will study the immense diversity among Illinois citizens.

Credit: .5 credit

Current Events (04156A000)

Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as economics, government and conflict. This course uses newspapers, online media, cartoons, and newscasts to support class discussion. Additionally students participate in an individual project and presentation. Also, students will work with primary source materials and opinion pieces in order to better understand the world around them.

Credit: .5 credit

U.S. Government (04151A000)

Government is a required course for sophomores. Students focus on the governmental ideas expressed in the Declaration of Independence that led to the U.S. Constitution. The United States Government / Constitution is the center of this course. This course breaks down each part of the Constitution from the Preamble to the amendments. The course emphasizes rights and duties of American citizenship. Through the study of the Illinois Constitution and the United States Constitution, a better understanding of government operation and function is attained. Whereas civics focuses on the citizen's role, government class focuses on the government's role in a democracy.

Credit: .5 credit

Required tests include: The Flag, Declaration of Independence, the U.S. Constitution, and the Illinois Constitution.

Civics (04161A000)

Civics is a required course for sophomores. Students will be introduced to elements of the Flag, Declaration of Independence, the U.S. Constitution, and the Illinois Constitution. The course will include direct instruction on democratic institutions, simulations of democratic practices, research and discussion of current and controversial issues, and service learning used as a way for students to apply knowledge, skills, and dispositions gained in class to real-world issues. Whereas the government focuses on the government's role, civics focuses on our role as citizens in a democracy.

Credit: .5 credit

U.S. History (04101A000)

This is a required course designed to allow students to become familiar with the common experiences that bring Americans together as well as the diverse experiences that make American life rich and varied. Students will learn about the development of national spirit and the preservations of local traditions. As they study the nation's past, they will begin to better understand the challenges of the present and the major issues of the future.

Credit: 1 credit

Honors U.S. History* (04101A000)

Honors U.S. History has a focus on reading and comprehending primary resources. This class is primarily note taking and discussion based. In the past this class has included videos/movies, technological aspects, creating videos, field trips, and is very interactive. Students should have good reading comprehension and writing skills to be successful in this class. Students are able to explore and do a lot more individual work in this class rather than U.S. History. Students are responsible for using online resources to complete homework. This is a weighted class.

Credit: 1 credit

Modern United States History (04103A000)

This course is an elective designed to familiarize students with United States history beginning with World War II and continuing to the present. Topics include, but are not limited to, World War

II, the Cold War, Suburbia, the Civil Rights Movement, the Korean War, the Vietnam War, Watergate, the Counterculture, the Women's Movement, the Environmental Movement, Energy Crisis, Modern Conservatism, Globalization, the technological revolution, the War on Terror, U.S. foreign policy in the modern era, and other issues of the 1940s, 50s, 60s, 70s, 80s, 90s, and present. An analysis of the political, social, artistic, environmental, and economic changes of the past 70 years highlights this

course. Students will analyze primary sources, understand cause and effect, and develop an understanding of how the 2nd half of the 20th Century influences the U.S. today. Students will develop an understanding of how all these events have shaped who we are and how we look at the world today. Curriculum will include teacher presentations / lectures, class discussions, small group work, Internet activities, video documentaries, movies or clips of movies, primary and secondary source documents, worksheets, maps, tests, essays, readings, and class projects. The course develops skills in reading, writing, speaking, and listening. This course is structured to the Illinois Learning Standards.

Credit: .5 credit

NOTE: This class cannot be taken in place of the required US History course.

Sociology (04258A000)

Sociology is an elective open to all students. Sociology is the study of structure, functions, and changes in human groups. The class includes exploring different cultural habits, traits and structure, organization of society, socialization, problems of adolescence, and contemporary times.

Credit: .5 credit

Early American War & Conflict (04110A000)

This elective class focuses on the wars and conflicts of the United States. The course is technology and project driven. Students must have good attendance to be successful because of the projects in class. For each war we will have in depth discussions, notes, projects and videos. Students will end the semester course with a good foundation of why America fought in conflicts and the outcomes of these. This is a class that is great for students that like history and want to learn about the wars in more depth than is provided in the year of U.S. History. Early America will possibly include: French and Indian War, Revolutionary War, War of 1812 and Civil War.

Credit: .5 credit

America and the World Wars (04110A000)

This elective class focuses on the wars and conflicts of the United States. The course is technology and project driven. Students must have good attendance to be successful because of the projects in class. For each war we will have in depth discussions, notes, projects and videos. Students will end the semester course with a good foundation of why America fought in conflicts and the outcomes of these. This is a class that is great for students that like history and want to learn about the wars in more depth than is provided in the year of U.S. History.

World Wars will include both World Wars. It will concentrate on the rise of dictatorships, the greatest generation of Americans, battles in Europe and the Pacific, trench warfare, the Holocaust, and other important aspects of the wars.

CREDIT: .5 Credit

Modern American Wars (04110A000)

This elective class focuses on the wars and conflicts of the United States. The course is technology and project driven. Students must have good attendance to be successful because of the projects in class. For each war we will have in depth discussions, notes, projects and videos. Students will end the semester course with a good foundation of why America fought in conflicts and the outcomes of these. This is a class that is great for students that like history and want to learn about the wars in more depth than is provided in the year of U.S. History.

This elective will cover the Cold War, Korean War, the Vietnam War, Cuban Missile Crisis, Persian Gulf War, 9-11, War in Afghanistan and the War on Terrorism.

CREDIT: Half Credit

World History-Overview (04051A000)

World History is the study of world events from earliest civilization to the present, with an emphasis on western culture. Through the course of the semester students will learn about a select group of key historical events.

CREDIT: Half Credit

World Geography (04001A000)

Geography is an elective. The focus of this course will be the Earth and will feature both physical and cultural geography. With physical geography, students will learn how physical features shape the world and impact people. With cultural geography, students will learn how people shape the world and the impact that we have on each other.

Credit: .5 credit

PHYSICAL EDUCATION DEPARTMENT

Physical Education (PE) (08001A000)

All students are required to take an active PE or Athletics course each year. (Driver Education, Health, and Physical Education meet this requirement.) Enrollment in Band or Color Guard will exempt a student from the PE requirement. Exemption for juniors and seniors may also be permitted under conditions specified by state law. The purpose of the program is to develop and promote physical well being and to aid in the attainment of knowledge in health, safety and recreational activities which may benefit the student in later life. **Credit: 1 credit**

Athletics (08002A000)

The goal is to develop bodies and minds, motivate students in Athletics and prepare them for life. In addition, Athletics is used to supplement practice for the various competitive sports that are offered. Activities include running, calisthenics, weight lifting, relays, and games. The following sports are offered: **Credit: 1 credit**

FALL

Golf
Cross Country
Football
Volleyball
Soccer
Cheerleading

WINTER

Basketball
Wrestling
Bowling
Cheerleading

SPRING

Track
Baseball
Softball
Soccer

Drivers Education (08152A000)

Drivers' Education—Classroom and Laboratory Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses. **Age Requirement: 14 by May 1**

Credit: .5

Health Education (08051A000)

This is a 18 week course required of freshmen or sophomores, usually taken the opposite semester as Driver Education. Included in this course is the study of the human body, health in daily life, tobacco, alcohol, illegal drugs, understanding of disease, family health, and safety. **Credit: .5 credit**

Special Education Department

Resource English

Special Education programs provide each student with an individual I.E.P. The following is a list of classes and the areas covered.

Resource English I (English/Language Arts I (9th grade))(01001A000)

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

Credit: 1 English Credit

Prerequisite(s): none

Resource EnglishII (English/Language Arts II (10th grade) (01002A000)

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

Credit: 1 English Credit

Prerequisite(s): Resource English 1

Resource English III (English/Language Arts III (11th grade) (01003A000)

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

Credit: 1 English Credit

Prerequisite(s): Resource English 2

Resource English IV (English/Language Arts IV (12th grade))
(01004A000)

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

Credit: 1 English Credit

Prerequisite(s): Resource English 3

Resource Math

Resource Math I - Pre-Algebra (Special Education Selected)

(02051A000)

Pre-Algebra courses increase students' foundational mathematics skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers, proportion, estimation, exponents, order of operations, rounding, sets and logic, formulas, and solving basic equations. Based upon the student's IEP academic level the range of pre-algebra the range is from 2nd grade through 8th grade.

Credit: 1 credit

Resource Math II - Geometry (Special Education Selected)

(02072A000)

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc. Based upon the student's IEP academic level the range of pre-algebra the range is from 2nd grade through 8th grade.

Credit: 1 credit

Resource Math III - Algebra I (Special Education Selected)

(02052A000)

Algebra I courses include the study of properties and operations of the real number system; evaluating national algebraic expressions; solving and graphing first - degree equations and inequalities; translating word problems into equations. Based upon the student's IEP academic level the range of pre-algebra the range is from 2nd grade through 8th grade.

Credit:1 credit

Resource Math IV - Math Elective;Life Skills and Common Core

(02999A000)

Math Elective courses include financial literacy lessons and activities relating to banking, personal finance, credit cards, personal credit, earning money, job skills; and paying bills. It also deals with word problems, missing information, time management, and money skills. Based upon the student's IEP academic level the range of pre-algebra the range is from 2nd grade through 8th grade.

Credit: 1 Credit

Resource Science

Resource Science I (General Science) (53239A000)

General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., “by third grade, students should know and be able to do...”). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Science, early childhood education through grade 8).

Credit: 1 Science Credit

Resource Science II (Physical Science) (03159A000)

Physical Science is the study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

Credit: 1 Science Credit

Prerequisite(s): Resource Science 1

Resource Science III (Earth & Space Science) (03008A000)

Earth and Space Science courses introduce students to the study of the earth from a local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet.

Credit: 1 Science Credit

Prerequisite(s): Resource Science 2

Resource Science IV (Integrated Science) (03201A000)

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics— and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use aspects from each specialty to investigate applications of the theme.

Credit: 1 Science Credit

Prerequisite(s): Resource Science

Resource Social Studies

Resource Social Studies I (Social Studies Elective) (04305A000)

Social Studies courses enable students to study a group of related subjects addressing the elements and structures of human society that may include economics, geography, history, citizenship, and other social studies-related disciplines.

Credit: 1 Social Studies Elective Credit

Resource Social Studies II (U.S. Government, Civics, and Economics) (04160A000)

U.S. Government, Civics, and Economics courses combine a study of the structure of national, state, and local U.S. government with an overview of the principles of market economics. Course content may include contemporary U.S. issues. These courses prepare students to perform effectively as informed citizens.

Credit: .5 Credit Government & .5 Credit Illinois Civics

Resource Social Studies III (US History) (04101A000)

US History provides an overview of the history of the United States, examining the time period from colonialism through World War II or after. A historical overview of political, military, scientific and social developments are included. Course content may include a history of the North American People before European settlement.

Credit: 1 US History Credit

Resource Social Studies IV (Social Studies Elective) (04305A000)

Social Studies courses enable students to study a group of related subjects addressing the elements and structures of human society that may include economics, geography, history, citizenship, and other social studies-related disciplines.

Credit: 1 Social Studies Elective Credit

Resource & Resource STEP

Resource (22005A000)

Resource class will provide a means of help and support for students with assignments, homework, studying, tests, projects and all areas of your education to encourage achievement and success in your scheduled class coursework. It will also provide the opportunity to use an available means for increasing understanding and knowledge to become successful. The use of this provision is available for your benefit. THIS IS A CLASS AND NOT A STUDY HALL- you will receive a grade and a credit.

Credit: 1 credit

Resource STEP (Secondary Transitional Experience Program)

(22151A002)

STEP is a program approved by ISBE and provided by the DHS Division of Rehabilitation Services (DHS/DRS) that helps schools provide transition services. These courses provide a built-in linkage to DHS/DRS, an agency that can assist students with disabilities with their post-school employment and career development goals. The program provides work experiences that coincide with post-secondary employment goals that could include paid employment or on work experience, with as-needed support services.

Family & Consumer Science Electives

Child Development & Parenting (19052A001)

Child Development and Parenting 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. Students will explore opportunities in human services and education-related careers and develop a career portfolio.

Credit: .5 credit

Sewing (19201A001)

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.

Credit: .5 credit

Agriculture Electives

Introduction to the Ag Industry - Grades 9-10 (18001A001 (AG))

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: 1 credit**

Animal Science - Grades 9-12 (18101A002 (AG))

This course will develop students' understanding of the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: .5 credit**

Food Science Technology - Grades 9-12 (18302A001 (AG))

This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection and consumer health. Careers to be examined include meat inspector, quality control technician, food processor, and sanitation supervisor. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning the development and preservation of food products. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: .5 credit**

Advanced Food Science - Grades 11-12 (18305A001 (AG))

This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection and consumer health. Careers to be examined include meat inspector, quality control technician, food processor, and sanitation supervisor. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning the development and preservation of food products. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: .5 credit**

Ag Biology - Grades 9-12 (18004A001 (AG))

Agricultural Biology is a year-long biology curriculum that is aligned to the three dimensions of the Next Generation Science Standards (NGSS) utilizing the storylining teaching process and engaging students in figuring out agricultural phenomena and problems. Ag Biology is designed for freshmen and sophomores students interested in learning about food systems or the production, processing, distribution, and consumption of food products as well as the interactions of various aspects of food systems with the natural environment. As an equivalent for Biology, Agricultural Biology will cover all major topics in life science including biochemistry, ecology, cells, reproduction, heredity, biological evolution and diversity. The course will cover the majority of the (NGSS) Performance Expectations in the following Illinois Learning Standards in Science as well as a few physical science, earth and space science, and engineering design performance expectations: Specific emphasis will be placed on developing skills related to the Scientific and Engineering Practices (SEP) and building Crosscutting Concepts (CCC) as students develop explanations for agricultural phenomena and solve real-world problems. Students will be given opportunities to engage in FFA activities and to develop career skills through Supervised Agricultural Experience (SAE) programs and other local career related activities.

Ag Business - Grades 9-12 (18201A001 (AG))

This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Instructional units include: business ownership types, planning and organizing the agribusiness, financing the agribusiness, keeping and using records in an agribusiness, operating the agribusiness, agricultural law, taxes, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: .5 credit**

Horticultural Production and Management - Grades 9-12 (1851A001 (AG))

This advanced course offers instruction in both the greenhouse production and landscape areas of horticulture. Units of study include plant identification, greenhouse management, growing greenhouse crops, landscape design, installation, and maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: .5 credit**

Greenhouse Management- Grades 9-12 (18053A001 (AG))

This course provides advanced agriculture students with a technical understanding and working knowledge of the greenhouse industry. Topics include safety, plant physiology, plant identification, growing media, plant nutrition, integrated pest management, propagation, growing greenhouse crops, and greenhouse business concepts. Students will gain knowledge and skills related to the care and management of gardens and greenhouses. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a greenhouse business. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. **Credit: .5 credit**

Basic Ag Mechanics - grades 10-12 (18401A001 (AG))

This course will focus on the basics of 4 main topics: surveying, electricity, welding, and carpentry. In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional

areas include the basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, welding, construction, cold metal work, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts **Credit: 1 credit**

Ag Construction and Technology - Grades 11-12 Prerequisite - Basic Ag Mech (18403A001 (AG))

This course would focus on building storage sheds or woodworking projects. Potentially dual credit with SIC.

This advanced course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: 1 credit.**

Ag Metal Fabrication - Grade 12 Prerequisite - Basic Ag Mech (18401A002 (AG))

This course will focus on welding and will receive dual credit for WELD 111 from SIC. This course will emphasize the development of basic welding and metalworking skills necessary to succeed in agricultural careers in the agricultural metal fabrication industry. Topics of instruction include: metal identification and properties, metal preparation, use of oxy-acetylene torch, plasma cutting and cutting operations, arc welding, MIG welding, TIG welding, and project design and construction. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: 1 credit**

Ag Engine Maintenance Grades - Grade 11-12 (18405A001 (AG))

This course provides students with the opportunity to learn how to operate, service, and recondition agricultural power units, emphasizing two and four cycle small gasoline engines. This class will provide students with opportunities to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting

systems; use of a hand, power, and overhaul tools; and read and interpret service manuals and parts catalog. Additional units of instruction may include power transmission, electrical and hydraulic systems. Applications may include lawnmowers, tractors, tillers, power tools, and so on. Improving workplace skills will be a focus on this course. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: .5 credit**

Ag Machinery Service - Grade 11-12 Prerequisite - Basic Ag Mech (18449A001 (AG))

This course will focus on small engines and basic tractor & vehicle maintenance. This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques. Careers such as agricultural equipment salesperson, mechanic, parts manager, sales manager, service technician, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Credit: .5 credit**

Fine Arts Department

ART COURSES

Introduction to Art (05154A000)

Introduces basic elements and principles of art and design, as well as a baseline of skills needed for more advanced classes as students grow creatively and artistically. Students try a little bit of everything, and will learn about drawing techniques, color mixing, and explore a variety of art forms. The course is designed so that students will gain

an understanding of the huge range of forms and styles their art making can take.

Credit: .5

Prerequisite(s): none

Drawing and Painting I (05155A000)

This class covers various media such as graphite, colored pencils, charcoal, pen and ink, printmaking, acrylic, watercolor and more while exploring elements of art. Students will get the chance to learn technical skills of drawing and painting while creating original, fun pieces. The class will delve into the various styles and approaches that artists can take in their paintings.

Credit: .5

Prerequisite(s): Intro to Art

Drawing and Painting II (505155A000)

Like in Drawing & Painting 1, Drawing & Painting 2 covers various media such as graphite, colored pencils, charcoal, pen and ink, printmaking, acrylic, watercolor, and more while exploring elements of art. Students will delve deeper into learning about color theory and other techniques, as well as setting up their works as intentional compositions.

Credit: .5

Prerequisite(s): Intro to Art, Drawing & Painting I

Drawing and Painting III (05155A000)

Drawing & Painting 3 is the next step in the Drawing & Painting course progression. Students will continue their mastery of various drawing and painting media, while being challenged to use their technical skill to answer questions about big artistic ideas.

Credit: .5

Prerequisite(s): Intro to Art, Drawing & Painting I, Drawing & Painting 2

Ceramics and Sculpture I (05159A000)

Students will learn the basics of creating 3-dimensional artworks through ceramic clay and sculpture projects. Technical skills will be practiced through hands-on practice and projects, while allowing students the chance to be expressive and creative in their final product. Students will learn about hand-building and the technical process of firing and glazing their work with ceramic clay, as well as other building and sculptural skills through traditional and non-traditional sculpture projects.

Credit: .5

Prerequisite(s): Intro to Art

Ceramics and Sculpture II (05159A000)

In Ceramics 2, students will have opportunities to throw on the wheel and put their skills to the test with more complex 3-dimensional projects in both ceramic and sculpture. Using technical skills learned in Ceramics 1 and learning a few additional techniques, students get the chance to create fun and original final products.

Credit: .5

Prerequisite(s): Intro to Art, Ceramics and Sculpture

Advanced Studio (05170A000)

This is a class designed for students who wish to prepare for higher ed art courses or to develop the skills and discipline needed to continue creating independent works after high school. Students will research and experiment with media or a medium of choice to create a coherent portfolio centered around a specific theme or focus. They will be expected to research their theme, techniques, and exemplar works, keep a sketchbook, and produce work of high quality. The development and curation of a portfolio (5-7 pieces) is the driving force behind the work in this class. It is recommended that this class be taken as a double block, but it can also be done as a single block.

Credit: .5

Prerequisite(s): Senior status, at least 3 previous art classes with a B or higher, and approved application (see Ms. DeNeal for an application)

MUSIC COURSES

Color Guard (08014A000)

Color guard is part of the HHS Marching Bulldog program. This is an auditioned group. Auditions take place in the spring semester. This class meets 1st hour in the fall. Students who participate in color guard perform at all home varsity football games and compete with the Marching Bulldogs.

Credit: 1

Prerequisite(s): Students must audition for color guard to be enrolled in this course. Auditions will be held in the May of the previous school year.

Theater (05053A000)

Theater is a spring semester class that is offered 1st hour. In the class, students will learn the basics about the creative aspects of theater. Students will work on scenic, costume, and hair and make-up design. The class also works on design elements of the HHS spring musical. Theater class students will have the opportunity to work on the spring musical on the technical aspects of the show.

Credit: 0.5

Band (Dual Credit option: MUS 168; 1 college credit per semester)

(05103A000)- Fall, (05102A000)-Spring

Band is offered 3rd hour in both the fall and spring semesters. In this class, students will continue to develop their musical training by studying a wide variety of music in order to expand their knowledge of music theory and practice. Band students take part of the following ensembles; HHS Marching Bulldogs, concert band, jazz band, and pep band. Students perform at all varsity home football games, varsity boys' basketball games, competitive marching parades and two concerts.

Credit: 0.5 per semester

Dual Credit: Available for juniors and seniors

American Music (Dual Credit options: MUS 126; 3 college credits)

(05118A000)

American Music is a three (3) credit hour dual credit course offered through SIC. This course fulfills the humanities requirement for SIC and most universities. In this class, students will study a wide variety of musical genres including jazz, country, pop, rock, and musical theatre in relation to the historic time period in which they were developed.

Credit: 1

Dual Credit: Available for juniors and senior

Jazz Band - (Dual Credit Option: MUS 162; 1 college credit per semester)(05106A000)

Credit: .5

Dual Credit: Available for juniors and seniors

Introduction to Band (Dual Credit Option:MUS 124; 3 college credits per semester) (05101A000)

Credit: .5

Prerequisite(s): None

Business Electives

Business Concepts (12001A001)

Business and Technical Concepts is an orientation-level course designed to 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 various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, 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, developing communication skills (thinking, listening, composing, revising, editing, and speaking), as well as improving math and problem solving skills. Business ethics as well as other workplace skills will be taught and integrated within this course. This course is to provide preparation for the skill level courses that make up the Business, Marketing and Management occupations programs **Credit: .5 credit**

Regional Coop (22153A001)

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations. **Credit: 2 credits**

Sports Entertainment Business and Marketing (12163A001)

Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies. The Students use an online simulation game to learn some of the basic concepts. The class has a number of hands-on activities that help students understand the concepts. **Credit: .5 credit**

Personal Finance (12101A001)

The Personal Finance curriculum includes basic budgeting and how to effectively manage personal finances. Short and long-term financial goal implementation will be explored as well as curriculum presented on checking accounts, credit, credit scores and loans. Students will learn about the stock market, investing and retirement planning through the use of an IRA or 401K. Various types of insurance will be explored as well as the steps in purchasing a home. Guest speakers from the financial community will be invited to speak throughout the semester. This course is offered to juniors and seniors. **Credit: .5 credit**

CEO Entrepreneurship (12053A001)

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibility of ownership, business and financial planning, finance and accounting, and communication.

Credit: 1 credit

Matrix Program

Study Matrix (22005A000)

The Matrix at Harrisburg High School provides the resources (academic, social/emotional, physical, relational, mental/cognitive, language) for students who are at-risk due to poverty, adverse childhood experiences, truancy, and/or academic deficiency, and for students not at-risk but who need academic help. Students who are struggling academically can be enrolled in the Matrix during one class period with instructor approval. These students are able to earn an elective credit from being enrolled in the Matrix. Additionally, the Matrix provides tutoring help to all high school students during the advisory period or after school. **Credit: 1 credit**

Credit Recovery is a program run through the Matrix that gives students an opportunity to recover credits. Students will be eligible for credit recovery at the end of the sophomore year of high school.

SIC (On SIC Campus) Dual Credit Classes

Diesel Mechanics (13302A001)

PREREQUISITE: Senior Standing

A combination of the various skills needed for success in the auto and maintenance occupations. Safety practices emphasized on hand metal working tools, threaded fasteners, arc and gas welding methods, measuring tools, and maintenance operations required for daily productions. **Credit: 1 or 3 credits**

PowerSports (20109A001)

PREREQUISITE: Senior Standing

The PowerSports program is a survey of the skills needed for success with powersports vehicles. An emphasis on proper maintenance techniques for on- and off-road land-based recreational vehicles is provided. PST 140 - Intro, setup, and maintenance will be offered in the fall. Students will take Diesel 157 in the spring which is a dual credit course for both PowerSports and the Diesel program **Credit: 3 credits**

Welding Occupations (13207A003)

PREREQUISITE: Senior Standing

This course provides planned learning experiences designed to allow students to gain knowledge and skills in metal welding, brazing, and flame cutting. Learning activities in the course should emphasize development of more advanced knowledge and skills than those provided in Welding I. Students' learning experience should include instruction in safety principles and practices, properties of metals, blueprint reading, heat treating metals, electrical principles, and advanced welding methods and equipment. Student practical activities should relate to the use of a variety of welding methods utilizing MIG, TIG, submerged arc, and semiautomatic welding equipment. Students will receive 3 high school credits as well as college credit. Students will attend class at SIC during 5th, 6th, & 7th period. **Credit: 3 credits**

Computer Information Technology (IT) (10102A001)

PREREQUISITE: Senior Standing

Provides the student basic skills needed to prepare for a career in the computer field or to transfer to a four year college or university. This program includes Basic Software Applications (IT 119), IT Essentials I (IT 153), IT Support Professional (IT 157), and Introductory Programming (IT 132). Each semester, there may be one or more additional courses available to high school dual credit students as well. All courses will be taught either on-line or on-campus at SIC during 6th & 7th period. **Credit: 2 Credits**

