Harrisburg High School

2023-2024

Course Description Book

High School Graduation/College Entrance Requirements

Harrisburg High School
Course Description Book

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The HHS Course Description Book was designed in order to assist parents and students in planning a program of study. Please feel free to contact the Guidance Office for additional assistance. The following information has been included:

High School Graduation Requirements
College Bound Graduation Requirements
HHS Grading Scale
Parchment (Send a transcript electronically)
Southeastern Illinois College's (SIC) Early College Program
State Testing
Academic Pathways (English, Math, Science and Social Studies)
Course Descriptions
Matrix Program

Courses listed in this book are not always offered every academic school year. Courses are offered based on faculty availability, budget restrictions, curriculum changes and student interests.

Important Terms

AP (Advanced Placement) – AP classes are advanced classes taught on a college level. AP students can choose to take an AP exam at the end of the class to try and score high enough to be able to receive college credit. An exam fee will be charged for any student choosing to take the exam.

DC (Dual Credit) - Dual Credit classes allow students to earn credit at the high school level as well as the college level. There are dual credit classes offered at Harrisburg High School (HHS) as well as on campus at Southeastern Illinois College (SIC).

RTI (Response to Intervention) – An RTI class is designed to help students gain the skills needed in a subject in order to be successful. Students are placed into an RTI class based on teacher recommendation. Each RTI class will be worth .5 credit each semester and will count as an elective credit.

Weighted Class – Eight different academically challenging classes are weighted at HHS. A Student taking and passing a weighted class will have an additive of .025 added to his/her GPA each semester.

Parchment - A method of sending a high school transcript electronically.

Harrisburg HS Graduation Requirements

Students must earn 24 credits which includes the following requirements:

ENGLISH

- 4 years/credits of English and two years of writing-intensive courses which are included in the English curriculum

MATH

- 3 years/credits of math which must include 1 year/credit of Algebra I and 1 year/credit of a course that contains geometry content)

SCIENCE

- 2 years/credits of science

SOCIAL STUDIES

- The Illinois Constitution, U.S. Constitution and Flag Etiquette tests must be passed; which are included in Government class

- 3 credits of social studies which must include 1/2 year/credit of Illinois Civics and 1/2 year/credit of Illinois Government during the sophomore year, 1 year/credit of U.S. History during the junior year and 1 year/credit of social studies electives any of the four years

CONSUMER EDUCATION

- 1/2 year/credit of consumer education

PHYSICAL EDUCATION

- 4 years/credits which include 3 years/credits of PE or Athletics and 1/2 year/credit of Driver Ed/Health and 1/2 year/credit of Health

MUSIC, ART, FOREIGN LANGUAGE or VOCATIONAL EDUCATION

- 1/2 year/credit

College Entrance Requirements

The following minimum college entrance requirements are based on Illinois public universities. Students need to check admissions requirements for each university of interest.

- 4 credits of English (emphasizing written and oral communications & Literature)
- 3 credits of social studies (emphasizing World History, US History & Government)
- 3 credits of mathematics (minimum of Algebra I, Algebra II and Geometry)
- 3 credits of science (emphasizing laboratory sciences)
- 2 credits of foreign language, music, art or vocational education (emphasis on foreign language)
- Some universities require 2 credits of the same foreign language for entry. Students who plan to attend a university as a freshman are encouraged to take Spanish I and Spanish II as part of the college bound curriculum.

College admissions will also be based on GPA, test scores, class rank, extracurricular activities, academic awards and community service.

Students enrolling in technical programs at community colleges are not affected by these requirements.

NOTE: Private colleges and universities will have entry requirements specific to their institution. You must check each private institution's admissions requirements. Private institutions are very selective when it comes to accepting student's dual enrollment credits. If you plan on attending a private institution, keep in mind the college credits earned prior to college or through dual credit may not be accepted.

Grading Scale

A 4.0 grading scale is used to calculate GPA:

A = 4 points
B = 3 points
C = 2 points
D = 1 point
F = 0

Students can earn above a 4.0 by taking weighted courses. HHS offers eight weighted courses that are listed below. Calculus and Calculus DC as well as Pre-Calc Honors and Pre-Calc DC are the same courses. Students will take one of the two courses based on eligibility for college dual credit. Students will have to qualify by scoring high enough on an assessment to be able to take the dual credit class.

English III Honors *	AP English IV*	Pre-Calc Honors*	Pre-Calc DC*
Calculus*	Calculus DC*	US Hist Honors*	Physics Honors*
Biology II DC*	Chemistry II*		

* Weighted

Parchment

Parchment is an electronic method for requesting and sending transcripts. Harrisburg High School has started using this program to send high school transcripts to colleges and universities for current students as well as alumni. In order to have a transcript sent through Parchment, please follow the steps below:

Register for your Free Account

1. Visit Parchment.com
2. Find your school
3. Build your profile using your personal email.

Request your Transcript

1. Choose Order
2. Select a destination such as colleges, Common Application or yourself.
3. Review your order and checkout.

NOTE: Parchment is currently free to current HHS students. A $3.00 processing fee will be charged to Alumni.

Track your Transcript

1. Watch your email for updates.
2. Log in to Parchment for more details.

Need Help? Visit support.parchment.com or call the HHS Guidance Secretary at (618) 253-7637 (ext. 2113)

SIC's Early College Program

Students who maintain a 3.25 GPA or higher will be eligible for the "Early College Program" at SIC. Students will receive a tuition scholarship and be eligible to take classes through SIC. Students will be responsible for paying fees and purchasing textbooks.

REQUIREMENTS:

- Students must maintain a 3.25 GPA or higher
- Students must take the ACCUPLACER assessment and score high enough to be eligible. Eligible scores are:

Reading	253 or higher
Writing	250 or higher
Math	QAS or 260 or higher

- Students will receive a letter in the mail from SIC if they are eligible for the program.
- Students who participate in the "Early College Program" must be responsible and pass the course(s) with a "C" or higher to remain in the program.
- If a student does not complete the assignments or fails to meet the course requirements, an instructor can drop him/her from the course and the student will receive a "W" on his/her permanent college transcript.
- If a student fails a college class, a permanent "F" will be on his/her transcript and future financial aid will be affected. Students must be dedicated to academics in order to take online college courses.

Please contact SIC's Dual Credit Coordinator at (618) 252-5400 (ext. 2245) with any questions about the "Early College Program".

STATE TESTING

SAT, PSAT 10, PSAT 8/9

The Illinois State Board of Education (ISBE) requires that all public-school students in 11th grade take the SAT with Essay on the stated schedule SAT school day administration. Some students in 12th grade may also be required to take the assessment as appropriate. Students who fail to take the SAT school day assessment will not be eligible to receive a high school diploma. The state administered SAT with Essay is a requirement for graduation.

ISBE also requires that all public-school students in grade 9 take the PSAT 8/9 and all public-school students in grade 10 take the PSAT 10.

Create A College Board Account

By creating a College Board Account you will have access to College Board Programs that will assist your student with college and career explorations as well as be able to access your scores. Students should create a College Board Account at the beginning of the 9th grade in order to be able to access scores for the PSAT 8/9, PSAT 10 and the SAT.

Students who are 13 and older can create a College Board account by completing this **form** and choosing a username and password. Create only one account and use consistent identifying information when registering for each assessment.

Contact the College Board at 866-315-6068 with any questions or if you are having problems creating an account.

PSAT 8/9

PSAT 8/9 is a standardized test administered by the College Board and will be given to all 9th grade students. The PSAT 8/9 assesses reading, writing and math skills. The questions on the assessment are grade-appropriate for eighth and ninth grade students. The PSAT 8/9 gives you, your child, and their teachers valuable information about your child's academic strengths and weaknesses while there's still plenty of time for them to improve their skills.

Since the purpose of this assessment is to identify areas students need to focus on and set a starting point for progress. Your child doesn't have to do anything special to prepare for the test.

After the PSAT 8/9

Here are some steps your child can take after they get their PSAT 8/9 scores to stay on track for college and career success:

1. Create an account on Khan Academy®. Khan Academy will help students prepare for the PSAT 10, PSAT/NMSQT, and SAT.
2. Use Career Finder™ to help students match skills and interests to college and career options.

PSAT 10

PSAT 10 is a standardized test administered by the college Board and will be given to all 10th grade students. The PSAT 10 assesses reading, math and writing and language. The questions on the assessment are grade-appropriate for 10th grade students. The PSAT 10 gives you, your child, and their teachers valuable information about your child's academic strengths and weaknesses while there's still plenty of time for them to improve their skills.

Preparing for the PSAT 10

Because the PSAT 10 focuses on the knowledge and skills your child is learning in school, the best way to prepare for the test is to take challenging courses, pay attention in class, and do their homework.

Students can also practice for the PSAT 10 by visiting the Official SAT Practice on Khan Academy. This is a free online program that will assist students with a personalized practice plan based on their previous test scores.

PSAT/NMSQT

The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a standardized test administered by the College Board and cosponsored by the National Merit Scholarship Corporation(NMSC). The scores from the PSAT/NMSQT are used to determine eligibility and qualification for the National Merit Scholarship Program. The PSAT/NMSQT is not required for all students but will be offered each fall to juniors. Students who wish to take the PSAT/NMSQT will sign-up in the guidance office. There is a fee to take this assessment.

Preparing for the PSAT/NMSQT

The best way your child can prepare for the PSAT/NMSQT is to pay attention in their high school classes and study the course material. Students who do well in school are likely to do well on the PSAT/NMSQT.

Because the PSAT/NMSQT and the SAT focus on the same subject areas and ask the same types of questions, your child can use Official SAT Practice on Khan Academy to practice for the PSAT/NMSQT. It's a free, interactive study tool that provides a personalized practice plan that focuses on exactly what your child needs to stay on track for college.

Your child can download and print official PSAT/NMSQT practice tests, as well as online sample questions with answer explanations.

SAT

The SAT is a standardized college entrance exam and is accepted by every college in the US. It assesses the knowledge and skills being learned in the classroom as well as skills that are key to success in college and career. All students are required to take the SAT with Essay school day assessment in order to be eligible to graduate. Students will be assessed on reading, writing and language, math and writing (essay).

Preparing for the SAT

Students can prepare for the SAT by using the online Practice tests or using the Official SAT Practice on Khan Academy.

ENGLISH

High School English Graduation Requirements

Students must complete and pass four years of English and two years of writing-intensive courses which are included in the English curriculum. Freshman English placement will be determined by eighth grade teacher recommendation.

9th Grade:	English I Honors, English I or English I with an RTI Class
10th Grade:	English II Honors, English II or English II with an RTI Class
11th Grade:	English III Honors*, English III or English III (EC)
12th Grade:	AP English IV*, English IV or Vocational English IV

* Weighted Class
AP Advanced Placement
RTI Response to Intervention

Basic College Bound English Requirements

Entry requirements vary from institution to institution. ALWAYS check admissions requirements for the college or university you are applying to.

Four years of college bound English are required for college. Freshman English placement will be determined by eighth grade teacher recommendation.

9th Grade:	English I Honors, English I or English I with an RTI class
10th Grade:	English II Honors, English II or English II with an RTI class
11th Grade:	English III Honors* or English III
12th Grade:	AP English IV* or English IV

* Weighted Class
AP Advanced Placement
RTI Response to Intervention

Most Competitive College Bound English Sequence

Entry requirements vary from institution to institution. ALWAYS check admissions requirements for the college or university you are applying to.

Four years of college bound English are required for college. If a student wants to take the most competitive path for English or wants to be Valedictorian, he/she must follow the sequence below. Freshman English placement will be determined by eighth grade teacher recommendation.

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

* Weighted Class
AP Advanced Placement

MATH

High School Graduation/College Bound Requirements

Entry requirements vary from institution to institution. ALWAYS check admissions requirements for the college or university you are applying to.

Students must complete three credits of math which must include Algebra I and Geometry.

College Bound students must complete three math credits through (at a minimum) Algebra II.

Freshman math placement will be determined by eighth grade teacher recommendations.

The following is the math sequence from lowest level to highest: Algebra I Part 1, Algebra I Part 2, Algebra I Double Block or Algebra I or Algebra I honors, Geometry Concepts or Geometry or Geometry Honors, Algebra II or Algebra II Honors, Algebra III, Intermediate Algebra (transition math for seniors only), Pre-calculus* or Pre-calculus DC*, Calculus* or Calculus DC*.

Dual credit classes count as high school credit as well as college credit.

In order to qualify for the dual credit (DC) math classes, a student must score the following:

20 on the ACT math section
1020 composite on the SAT
530 on the SAT math section
260 on the QAS ACCUPLACER math section

DC Dual Credit
* Weighted

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
12 Grade:	Optional: Algebra II or Algebra II Honors

Students who are planning on attending college will need to take Algebra II senior year.

Geometry Concepts is taught at a slower pace and designed for students who struggle with math.

Math Sequence for Students Placed in Algebra I

Freshman Year

9th Grade:	Algebra I or Algebra I DB or Algebra I Honors
10th Grade:	Geometry Concepts, Geometry or Geometry Honors
11th Grade:	Algebra II or Algebra II Honors
12 Grade:	Optional: Algebra III, Intermediate Algebra (transition math), Pre-calculus* or Pre-calculus DC*

Students who are planning on attending college will need to take through Algebra II. (Minimum college bound requirement)

Geometry Concepts is taught at a slower pace and designed for students who struggle with math.

DC	Dual Credit
*	Weighted
DB	Double Block

Math Sequence for Students Placed in Geometry or Geometry Honors Freshman Year

Students must follow the honors sequence in order to take pre-calculus honors or pre-calculus DC.

9th Grade:	Geometry Honors	
10th Grade:	Algebra II or Algebra II Honors	
11th Grade:	Algebra III, Pre-Calculus Honors* or Pre-Calculus DC*	
12 Grade:	Optional:	Pre-calculus* or Pre-calculus DC*, Intermediate Algebra (transition math), Calculus* or Calculus DC.

Pre-calculus* or Pre-calculus DC* has a prerequisite of Algebra II Honors but can be taken after Algebra III.

Algebra III has a prerequisite of Algebra II or Algebra II Honors.

Intermediate Algebra (transition math) has a prerequisite of Algebra II or Algebra II Honors but can be taken after Algebra III or Pre-calculus or Pre-calculus DC*.

Calculus* or Calculus DC has a prerequisite of Pre-calculus* or Pre-calculus DC*.

Students who take the above sequence will have enough math for college bound. The more math and science a student completes, the more options he/she has in college.

DC Dual Credit
* Weighted

Most Competitive College Bound Math Sequence

Entry requirements vary from institution to institution. ALWAYS check admissions requirements for the college or university you are applying to.

Students who want to compete for valedictorian will need to take this math sequence.

9th Grade:	Geometry Honors
10th Grade:	Algebra II Honors
11th Grade:	Pre-Calculus Honors* or Pre-Calculus DC*
12 Grade:	Calculus* or Calculus DC*

DC Dual Credit
* Weighted

SCIENCE

High School Science Graduation Requirements

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

9th Grade:	Physical Science or Physical Honors Science
10th Grade:	Biology I

Students are encouraged to continue with the science curriculum past the 2 credit science requirements.

Basic College Bound Science Requirements

Entry requirements vary from institution to institution. ALWAYS check admissions requirements for the college or university you are applying to.

The minimum college bound requirements for science are three (3 credits) laboratory science classes (colleges emphasize Biology I, Chemistry I and Physics). If a student is planning on attending a 4-year university as a freshman, four or more science classes are recommended. Physical Science may not be counted as one of the three laboratory science courses at some universities.

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

Any of the following science classes can be taken once Chemistry I has been completed.

Physics Anatomy/Phys (DC) Biology II (DC) Chemistry II* Honor's Physics*

DC Dual Credit
* Weighted

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.

The minimum college bound requirement for science is three (3 credits) laboratory science classes (colleges emphasize Biology I, Chemistry I and Physics). If a student is planning on attending a 4-year university as a freshman, four or more science classes are recommended. If a student wants to be a Valedictorian, he/she must follow the following sequence:

9th Grade:	Physical Honors Science + Biology I
10th Grade:	Chemistry I
11th Grade:	Two Weighted Science Classes
12th Grade:	One weighted science class (Can take Anatomy in addition)

Any of the following science classes can be taken once Chemistry I has been completed with the grade of C or better.

Physics	Anatomy/Phys (DC)	Biology II (DC) *
Chemistry II *	Honor's Physics *	

DC Dual Credit
* Weighted

SOCIAL STUDIES

High School Graduation & College Requirements

Entry requirements vary from institution to institution. ALWAYS check admissions requirements for the college or university you are applying to.

Students must complete **three** credits of social studies (SS) classes in order to graduate Harrisburg High School. Students also need to complete three credits of SS for college as well. If a student wants to be Valedictorian, he/she will need to take the Honors US History in place of US History.

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)

Students are required to take Government (1/2 credit), Civics (1/2 credit) and US History (1 credit) and must take 1 additional credit of elective SS sometime during the four years of high school. One full credit of SS will include two SS electives that are taught on a semester basis and worth 1/2 of a credit.

* - Weighted Class
SS - Social Studies

COURSE DESCRIPTIONS

English Department

English I (& Honors English I)

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 the PSAT. 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)

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 the PSAT. 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.

English III (& Honors English III*)

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 III--Essential Concepts (EC)

In English III (EC) students will study the same American Literature curriculum as English III. However, a more direct focus will be made to the essential Common Core Standards which will include reading and complex writing skills.
Additionally, students will receive instruction for the successful completion of the SAT Reading, Language and Essay portions of the test. **Credit: 1 credit**

English IV (& AP Literature*)

In English IV students study British 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 AP level will be required to complete more sophisticated writing assignments and additional readings including two summer reading books. Honors English III or a teacher recommendation is required for admission to the class.

Students who take the AP class will also have an opportunity to write the AP exam in English Literature and Composition. Scoring a 3, 4, or 5 (on a 5 point scale) usually assures the student of advanced college credit. However, the final decision to grant credit lies with the individual institutions of higher learning. **Credit: 1 credit**

English IV Vocational

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**

English RTI (I & II)

RTI (Response to Intervention) is designed to supplement English I & II courses in order to assist students in the improvement of reading and writing skills. English RTI class will consist of reading assignments, on-line coursework and diagnostic testing. Students will be placed in English RTI based on teacher recommendation, academic performance and standardized test scores. Placement in English RTI is not optional, unless student demonstrates at the beginning of the semester sufficient academic progress measured by the STAR and IReady assessments. Students will receive an elective credit upon competition of the course. **Credit: .5 credit per semester**

Multimedia News Production (Newspaper)

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)

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**

Photo & Design

Photo and Design is a class that allows students to explore their creative side while learning the technical aspects of photography. Students will learn about the elements of photography, as well as how to fully use a camera and its functions. This class is recommended for sophomore year and above and it is extremely helpful if the student has a camera of their own to use in class. **Credit: .5 credit**

SI Legends & Lore

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

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

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

The mathematics curriculum of Harrisburg High School is designed to meet the needs of students of all abilities. Freshmen students are enrolled in Algebra 1 - Part 1, Algebra I Double Block, or Geometry Honors based on their eighth-grade achievement.

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

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

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.

Algebra I (Double Block)
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.

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.

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.

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.

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.

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.

Algebra III
Algebra III courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete math, elementary probability and statistics; matrices and determinants; and sequences and series.

Intermediate Algebra (High School Transitional Math 4 - STEM)
Review of 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. 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 requirements.

Pre-Calculus (Dual Credit option: MATH 161; 4 college credits)
Pre-Calculus combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; and solutions of right and oblique triangles. Prerequisite scores are required to be met to earn 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.

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). Students must have earned a C or higher in MATH 161 to earn dual credit for MATH 162.

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
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
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
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. 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

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*
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 concurrent enrollment in Pre-Calculus

Chemistry II*
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)
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)*
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

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 I

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

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

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**

Government

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.

Illinois Civics

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**

United States History

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 United States History*

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

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 United States History course.

Sociology

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

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

Previously War and Conflict A
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: Half Credit**

Modern American Wars

Previously War and Conflict B

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

Western civilizations 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

Geography

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)
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
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	WINTER	SPRING
Golf	Basketball	Track
Cross Country	Wrestling	Baseball
Football	Bowling	Softball
Volleyball	Cheerleading	Soccer
Soccer		
Cheerleading		

Drivers Education

Driver Education is a 9 week course designed to teach the fundamentals of highway safety and proper automobile driving habits. It consists of 9 weeks of classroom instruction and 6 hours of behind the wheel instruction to attain their license. By state law, students are to have 30 hours classroom instruction and 6 hours of behind the wheel instruction. **Credit: .5 credit**
Age Requirement: 14 by May 1

Health Education

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

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,II,III,IV

The English concepts of grammar, language arts, basic English, composition, functional English, and literature are within the Resource English Curriculum. Basic English includes sentence structure and the components in proper sentence and paragraph form ie: nouns, verbs, adjectives, etc. Functional English includes how to apply for a job, job interview etiquette, how to write a resume, and communicating with the public. Composition is composed of writing paragraphs, spelling, and preparing for written tests. Literature incorporates different genres of literature ie: fables, myths, poetry, tall tales /legends, etc. Curriculum is governed by an Individual Education Plan (IEP).
Credit: 1 credit

Resource Math I,II,III,IV

Each student is taught on her/his level on basic math functions. In the last two years, students are taught to apply these functions to daily life such as banking, insurance, credit, etc. **Credit: 1 credit**

Resource Science I, II, III IV

Every student is taught on his/her level in areas such as physical science—heat, light, sound, matter, atoms, chemical change, magnets, electricity, machines, and motion; each science—earth, sun, moon, air, water, rock, minerals, animals, plants, insects, body systems, cells and ecology. **Credit: 1 credit**

Resource Class I,II,III,IV

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 Social Studies I, II, III, IV

In this course students cover these topics; U.S. Government, U.S. History, and Geography. In the U.S. Government students will learn about the three branches of the Federal Government, Legislative, Executive, and Judicial. Students will also learn the meaning of Federalism, the shared power between Central and regional governments. Students will also explore U.S. History such as The War of Independence, Civil War, Reconstruction, World War I, the Great
Depression, World War II, Modern America beginning in the 1950's to the present. Students will also gain a better understanding of World Geography. This course will be conducted in a small group setting where students will be able to get more of the individualized attention they require. **Credit: 1 credit**

Family & Consumer Science Electives

Child Development & Parenting

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**

Adult Living

Adult Living students focus on the young adult as an individual preparing for responsibilities in a home, family, and work environment. The student will gain life management skills, utilize problem-solving methods, develop management processes, and practice coping skills. This class will also examine the various aspects of living on your own and the responsibilities and finances that go along with it. **Credit: .5 credit**

Sewing

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

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**

Basic Agricultural Science - Grades 9-12

This orientation course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised AgriculturalExperience (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

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

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

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 Business - Grades 9-12

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

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**

Landscaping and Turf Management - Grades 9-12

This advanced course focuses on the landscape, nursery, and turf segments of the horticulture industry. Units of student instruction include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turfgrass production, small engine repair, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, 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**

Natural Resource Conservation and Management - Grades 9-12

Course Description (ISBE ID: 18504A002): This course develops management and conservation skills in understanding the connection between agriculture and natural resources. Student knowledge and skills are developed in: understanding natural resources and its importance; fish, wildlife, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. Career

exploration will be discussed including: park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. 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**

Basic Ag Mechanics - grades 10-12

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

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

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 Machinery Service - Grade 12 (1 semester class) Prerequisite - Basic Ag Mech

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

Introduction to Art: 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.
Intro to Art is the prerequisite for all other drawing, painting, cartooning, and ceramics classes
Credit: .5

Drawing 1: This class covers various drawing media such as graphite, colored pencils, charcoal, pen and ink, printmaking, and more while exploring elements of art. Students will get the chance to learn technical skills of drawing while creating original, fun pieces.
Prerequisite needed: Intro to Art **Credit: .5**

Drawing II: Like in Drawing 1, Drawing 2 covers various drawing media such as graphite, colored pencils, charcoal, pen and ink, printmaking and more while exploring elements of art. Drawing prompts will challenge students to use their technical skills to answer questions about big artistic ideas.
Prerequisite needed: Intro to Art and Drawing I **Credit: .5**

Painting 1: Students will learn about elements of color theory and mixing as well as setting up their painted compositions. Students will experiment with painting techniques using acrylic and watercolor, and even with mixing other media into their pieces. The class will delve into the various styles and approaches that artists can take in their paintings.
Prerequisite needed: Intro to Art **Credit: .5**

Painting II: Students will delve deeper into learning about color theory and mixing as well as setting up their painted compositions. Students will experiment with painting techniques using acrylic, watercolor, and oil paint, and even with mixing other media into their pieces. The class will delve into the various styles and approaches that artists can take to their paintings.
Prerequisite needed: Intro to Art and Painting I **Credit: .5**

Cartooning: Students will engage in creative exploration, with the main learning objective of learning how to create and share a narrative using artistic skills. This class will give students opportunities to develop their own characters and stories, and learn how to illustrate them expressively. Students will learn skills about drawing characters and the visual schema of cartooning while applying knowledge of history and styles of illustration and cartooning.
Prerequisite needed: Intro to Art **Credit: .5**

Cartooning II: Cartooning 2 gives students who are interested in further developing their character and narrative building skills. Students will apply their knowledge of drawing characters

and the visual schema of cartooning/illustration to create various projects, including comics and animations. **Credit: .5**

Ceramics and Sculpture 1: Students will learn the basics of creating 3-dimensional artworks through ceramics 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.
Prerequisite needed: Intro to Art **Credit: .5**

Ceramics and Sculpture II: 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.
Prerequisites needed: Intro to Art and Ceramics I **Credit: .5**

Advanced Studio: 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.
Prerequisites needed: upperclassman, at least 3 previous art classes, and approval of teacher (see Ms. Wallace for an application) **Credit: .5**

Music Performance Band

This Program includes marching band, concert band, and several chamber ensembles. The Instrumental Music Department in Harrisburg strives to maintain a balanced program in all facets of music education, including the development of the individual musician. Over the years, the band program has consistently produced excellent musicians who are in demand by colleges and universities throughout the region. Superior medals are awarded to Harrisburg students at the Solar and Ensemble Festivals each year. Awards and recognitions have come often to the band as a whole. The Marching Band has won numerous titles in contests and competitions throughout Southern Illinois. **Credit: 1 credit**

The tradition of excellence held by the Harrisburg High School Band Program was developed through the hard work and dedication of past members and directors and will continue through the hard work and dedication of our present members.

Color Guard

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: .5 credit**

Choir

Choir (MUS 128) is a one (1) credit hour dual credit course offered through SIC. Choir is offered 2nd hour in the fall semester only. This class is designed for the beginning singer to introduce and develop basic singing techniques. Students will have the opportunity to perform in the winter concert that takes place each December.
Credit: .5 credit

American Music

American Music (MUS 126) is a three (3) credit hour dual credit course offered through SIC to juniors and seniors. This course fulfills the humanities requirement for SIC and most all universities. In this class, you will study a wide variety of musical genres including jazz, country, pop, rock, and musical theater in relation to the historic time period in which they were developed. **Credit: .5 credit**

Business Electives

Business Concepts

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**

Computer Concepts and Software Apps

Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word
processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases. **Credit: .5 credit**

Regional Coop

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

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**

Web Design

Students gain a basic understanding of the internet, computers, data entry and program tools. Students will gain knowledge in HTML Coding, CSS Coding, Web Page LayOut and Design. The idea is to expose students to the planning and decision-making process involved in creating Web pages, Web sites, and style sheets. The class will acquaint students with the proper procedures to create
Web pages and Web sites that include text, images, and hyperlinks, and are suitable for coursework, professional purposes, and personal use. The instructor has designed and developed an exercise-oriented approach that allows learning by doing.
Credit: .5 credit

Accounting

Accounting is a skill level course that is of value to all students pursuing a strong background in business, marketing and management. This course includes planned learning experiences that develop initial and basic skills used in systematically

computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including paying and receiving of money. Instruction includes information on keeping financial
records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision-making. Accounting computer applications will be integrated throughout the course where applicable. **Credit: 1 credit**

Google Basics

Google Basics provides instruction on all Google Applications including, but not limited to Google Docs, Sheets, Slides, Classroom, Hangout, etc. Classes will also include information on Google add-ons and extensions. Digital citizenship will be discussed in great depth which will include quality research and use of online materials.
Credit: .5 credit

Web Design

Students will learn about various means of presentation applications and software. Specifically, Prezi, Nearpod, Powerpoint, Keynote, Google Slides and Slideshare will be covered. Instruction will also be provided on Website creation and design through applications such as Weebly and Wix. **Credit: .5 credit**

Personal Finance

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

Matrix Program

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

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

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

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)

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**