

COURSE CATALOG 2025-2026

Click on the titles below to jump directly to that section

TABLE OF CONTENTS

Graduation Requirements.....	2
Early College Credit/Dual Credit.....	3
Early College Credit Courses Taught At BHS.....	3
Early College Credit Courses Taught at Harper College.....	5
Course Load and Schedule Changes.....	6
GPA Calculations, Pass/Fail, and Transcripts.....	7
FLEXIBLE LEARNING AND CAREER & TECHNICAL ED.....	10
Flexible Learning.....	10
Agriculture, Food and Natural Resources xf.....	11
Arts and Communications.....	12
Journalism.....	12
TV and Video Production.....	12
Finance and Business Services	14
Business Management.....	14
Finance.....	15
Marketing.....	16
Hospitality and Tourism.....	16
Health Sciences and Technology.....	18
Human and Public Services.....	19
Education.....	19
Public Safety.....	20
Information Technology.....	21
Manufacturing, Engineering, Technology, and Trades.....	24
Architecture and Construction.....	24
Architecture.....	24
Heating, Ventilation, Air Conditioning (HVAC).....	25
Engineering.....	26
Transportation.....	27
ENGLISH.....	28
FINE ARTS.....	33
PERFORMING ARTS.....	38
LIFE SKILLS.....	42
MATH.....	45
SCIENCE.....	51
SOCIAL STUDIES.....	56
WORLD LANGUAGE.....	61

[Click here to return to the Table of Contents](#)

Graduation Requirements

These graduation requirements reflect the *minimum* needed to earn a diploma. Depending on future plans, additional courses may be recommended or required for your chosen path, whether you're pursuing college, trade schools, apprenticeships, military service, or entering the workforce. Be sure to explore the specific requirements and recommendations for the post-secondary options you're considering through [Schoollinks](#), visiting official websites or speaking with a counselor to get the most accurate and up-to-date information.

Subject or Requirement	Semesters Needed	Credits Needed
English <ul style="list-style-type: none"> 2 years writing intensive 1 year Computer literacy in 10th grade 	8 semesters	4 credits
Social Studies <ul style="list-style-type: none"> 1 year U.S. History 1 semester Civics IL & US Constitution Test 	4 semesters	2 credit
Science <ul style="list-style-type: none"> 2 years of lab science 	4 semesters	2 credits
Mathematics <ul style="list-style-type: none"> 1 year Algebra I or equivalent 1 year non-specified course including Geometry content AP Computer Science is eligible 	6 semesters	3 credits
Physical Education	7 semesters	1 3/4 credits
Health	1 semester	1/2 credit
Electives <ul style="list-style-type: none"> 1 year selected from art, music, world languages including ASL, or career and technical ed 	2 semesters	1 credit
Consumer Education	1 semester	1/2 credit
Driver Education <ul style="list-style-type: none"> may be completed at BHS or with a state-certified driving school. Students must provide the registrar with a letter from the Secretary of State's office when received. 	1 semester	1/4 credit
Additional credits based on student choice		5 ½ credits
Additional Requirements <ul style="list-style-type: none"> State Testing and FAFSA Completion 		
TOTAL CREDITS		20 1/2 credits

Early College Credit/Dual Credit

Early College Credit, also called Dual Credit, is a concurrent enrollment partnership between a college and high school district that allows eligible students to earn college credit while completing high school graduation requirements. These courses provide students with a smoother transition from high school to college. These courses are provided with no additional tuition costs passed on to the student, making them a cost-effective way to earn college credit that will transfer to most colleges and universities.

Students can check how their courses will transfer to various universities by using Transferology. This is a free web-based tool widely used by academic advisors at a variety of colleges throughout the country. Visit www.transferology.com to create a free account and see which colleges will accept the dual credit courses you have completed or are interested in taking.

Harper College requires students to complete an application. [Click on this link](#) to create an account and start the free application. Please follow these [step-by-step instructions](#) closely to ensure the application has been completed accurately. If you have already completed an application with Harper, you do not have to complete another one. This application must be completed by **May 30th, 2025**.

If you are attending a course taught at Harper Campus, you and your parent must complete [these four forms](#) and return them to your counselor by **May 30th, 2025**.

If you are enrolled in a Harper Early College credit course, there are multiple options for demonstrating readiness for [Math 101](#) and [English 101](#). If you do not meet these prerequisites, you can take the Harper Placement Test to determine if you are eligible for early college credit.

Over the summer, you and your parents will receive a letter and emails from the B220 District Office if you will be required to take either the Harper Essay Exam or the ALEKs Math Placement test.

- For English 101, students may need to take the Harper Essay Exam. Instructions for accessing this exam [can be found here](#).
- For Math 101, the ALEKS test can be taken anywhere at any time if you have a computer that meets the technical requirements. You must complete a Harper application first and use your Harper ID to register and take the exam. Details about the test and technical requirements [can be found here](#).

Early College Credit Courses Taught At BHS

	Barrington Course Name	College Course	College Credit	Partner College	College Prerequisites
Business Administration	Incubator Edu 304215	MGT154	3 credits	Harper	None
Health Sciences	Intro to Health Care ACCL 315105	HSC105	2 credits	Harper	None
	Medical Terminology ACCL 315205	HSC112	2 credits	Harper	None

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

	Certified Nursing Asst 315405	CNA 111	4 credits	Harper	<ul style="list-style-type: none"> Valid Social Security Card or Tax Identification Number TB Tests, Vaccinations for Flu & Covid Personal Health Insurance
		CNA 112	2 credits		
Hospitality Management	Culinary III 402015	FSM 109	4 credits	Harper	None
	Culinary IV 402025	FSM110	4 credits	Harper	Completion of Culinary III with a C or better
Education	Intro to Education ACCL 402415	EDU 201	3 credits	Harper	None
	Education Clinical Experience 402425	SED2000	2 credits	Eastern	Minimum cumulative GPA of 3.0 (unweighted on a 4.0 scale)
Electronics Engineering	Digital Electronics- PLTW 316125	ELT203	4 credits	Harper	None
English	English 101 204705	ENG101	3 credits	Harper	There are multiple ways to demonstrate readiness - Harper English Placement Matrix
	Speech 101 206505	SPE101	3 credits	Harper	None
Horticulture	Horticulture I 804205	HRT 121	3 credits	College of Lake County	<ul style="list-style-type: none"> Cumulative 3.0 for the last 3 semesters Or a 490+ on Math SAT AND 470+ on Reading SAT
		HRT 124	4 credits		
	Horticulture II 804225	HRT 127	3 credits	College of Lake County	Completion of Horticulture I with a C or better
		HRT 162	3 credits		
Math	Calculus III	NET241	4 credits	U of I	4 or 5 on the AP Calc BC Exam
	Math 101 604725	MTH101	3 credits	Harper	There are multiple ways to demonstrate readiness for Math 101. Harper Math Placement Matrix
Science	Environmental Science ACCL 804325	BIO103	3 credits	Harper	None
	Intro Anatomy, Physi. & Disease 804415	BIO135	4 credits	Harper	None
World Language	College Chinese I 507625	CHNS 201	4 credits	North Central	Minimum cumulative grade point average of 3.0 (unweighted on a 4.0 scale) and approval from the course teacher.
	College Chinese II 507635	CHNS 311	4 credits	North Central	Completion of Chinese I and a minimum cumulative grade point average of 3.0 (unweighted on a 4.0 scale) and approval from the teacher of the course.
	Spanish for SS III ACCL 505325	SPA112	4 credits	Harper	None

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

		SPA113	4 credits		
	Spa. Lang. & Culture-AP 505425	SPA210	3 credits	Harper	Completion of SPA112 & 113 w/a C or better

Early College Credit Courses Taught at Harper College

These courses are open to Juniors and Seniors who have access to their own transportation. These courses meet at Harper two days a week in the afternoon. Students enrolled in these classes will have 6th, 7th, and 8th periods off to allow them travel time to Harper. On the days they are not at Harper, they will be at BHS doing self-paced learning and homework for their class.

Welding meets at Harper on Tuesdays and Thursdays from 1st-6th periods and transportation will be provided. When students are not at Harper, they will be completing self-paced online modules for Welding as well as other high school graduation requirements.

Pathway	Barrington Course Name	College Course	College Credits	College Prerequisites
Criminal Justice	Intro to Criminal Justice 498105	LEJ 101	3 credits	None
	Forensics 498205	LEJ 116	3 credits	None
Electronics Engineering	Introductory Electronics 497405	ELT110	4 credits	None
	Electronics I 497415	ELT215	4 credits	Completion of ELT110 with a C or better
Fire Science	Fire Science 4983051	FIS 100	3 credits	None
	Fire Behavior & Combustion 4983052	FIS 121	3 credits	None
HVAC	Refrigeration Fundamentals ACCL 497325	HVA101	3 credits	A minimum of MTH 097 Harper Math Placement Matrix
	Heating Principals 497315	HVA103	3 credits	A minimum of MTH 097 Harper Math Placement Matrix
Welding	Welding I 497615	WLD110	3 credits	None. Students must maintain a C at midterm to remain in the course for the rest of Semester 1
		WLD210	3 credits	
	Welding II 497625	WLD211	4 credits	Completion of Welding I with a C or better
		WLD 212	4 credits	
	Welding III	WLD 246	4 credits	Completion of Welding II with a C or better
	Welding IV	WLD 248	4 credits	Completion of Welding III with a C or better
World Language	Sign Language I 493105	SGN 101	4 credits	None
	Sign Language II 493205	SGN 102	4 credits	None

[Click here to return to the Table of Contents](#)

Course Load and Schedule Changes

Course Load

- All BHS students are expected to maintain full-time course schedule of 5 classes + PE.
- Students are expected to complete a course once they have registered for it because they have made a commitment to themselves and to the school. See withdraw and drop policies if you need to withdraw or drop a course.
- Extra-curricular activities (athletics, clubs, etc.) and the possibility of employment should be seriously considered when planning the course load. Student must be passing 5 classes to be eligible for sports, activities, or clubs.

Schedule Change Request

Course requests are made available to students beginning May 1, 2025 so students and families could review courses for the upcoming school year. Course request changes are due the Friday prior to final exams. Courses will not be changed or added after this point unless the student is a senior and needs the course to graduate, the student did not pass a prerequisite course the previous year or an administrative change due to staffing. We are not able to accommodate schedule change requests based on teacher preferences and lunch hour preferences.

Adding a Course:

Students may add a BHS course in place of a free period or another class during the first 10 school days of a semester if space is available in the course. Students must consult with the teacher regarding make-up requirements for any missed content.

Dropping a Course

Students may withdraw from a course up through the end of the first ten weeks of each semester. In order to drop a course, students must meet with their counselor.

- Any drop within the first five weeks of school is not noted on the transcript
- Any drop after the first five weeks will be noted as a "W" on the transcript.
- Students who wish to drop a class after ten weeks need administrative approval and may receive a grade of "WF" noted on the transcript. Students must maintain a minimum of 5 courses (plus PE) for credit.

Level Changes

On occasion, students may need to change the level of the class in which they are enrolled. In order to do so, students should contact their counselor to begin the process.

Downward level changes will be permitted up through the end of the first six weeks of the semester with Department Chair approval based on available classes. The letter grade at the time of withdrawal may accompany the student to their new class.

GPA Calculations, Pass/Fail, and Transcripts

Grade Point Average Calculations

Both a weighted and an unweighted grade point average are calculated and reported on transcripts for each student at the end of each semester and after summer school. A student's GPA is cumulative and begins with the first high school course they take and includes every course they take throughout high school. BHS does not report individual rank in class.

- Weighted grade point average is calculated using the weights assigned to the grades in the chart below.
- Unweighted grade point average is calculated by assigning "Grade Level/College Prep" points to all grades that are calculated into the grade point average, regardless of their level.
- Grades earned in physical education, driver education, and resource are not included in either GPA.

Weighted GPA Calculation			
Grade Earned	Post High School	Honors	College Prep
A	5	4.5	4
B	4	3.5	3
C	3	2.5	2
D	2	1.5	1
F	0	0	0

- The Post High School level encompasses work that has post-secondary application including advanced internships and certifications, Advanced Placement, and Dual Credit.

Post High School Credit Definitions

	Dual Credit	AP Courses	CTE
Credits	Fulfills high school requirements towards graduation and earns college credit.	Fulfills BHS graduation requirements and may earn college credit depending on test score and college admissions.	Depending on class, fulfills high school requirements towards graduation.
Affiliation	Students are enrolled both at BHS and at the partner college.	No affiliation with any university	Students may earn certificates from accredited institutions.
Grade weights	5.0 scale	5.0 scale	Courses that result in a post-high school certification or industry credentials are on a 5.0 scale
Grades	Grades become a part of the students college transcripts.	Grades do not transfer. Students must take the AP	Grades do not transfer

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

		test, earn a 3, 4, 5, and ensure their college will accept the scores.	
Cost	No cost to students.	\$100 for most AP exams administered in May.	No cost to students.

Pass-Fail

A student may take one elective course each semester on a pass or fail basis. Using this option, the student will receive a P or F on his/her transcript instead of grades from the traditional grading scale A-F. The grade of P is not computed into the G.P.A.; however, a grade of F is included in the G.P.A. The purpose of the pass-fail option is to allow students to have the opportunity to experience a curricular area that is different from the student's primary area of interest without experiencing performance pressure. Courses that are required for graduation may not be taken using the pass-fail option. Students are discouraged from taking a course on a pass-fail basis if the course is a prerequisite for a subsequent course either in high school or in college. NOTE: Colleges may not look favorably upon core courses (Math, Science, English, World Language, and Social Science) that are taken on a pass-fail basis.

Procedure for Pass/Fail

- a. The student must apply by the 25th day of school using the appropriate form which is available in the Student Services office.
- b. The student is expected to make a positive contribution to class, complete homework assignments or projects and take all quizzes and tests.
- c. The student is expected to work up to his/her potential.
- d. In the event the student does not fulfill his/her responsibilities, the teacher can appeal to have the pass-fail option removed and to have the student's grade determined using the traditional grading scale (A-F). The student's counselor and the Pass-Fail Review Committee will hear the appeals.

Grade Replacement

Students may replace the grade they receive in a course by repeating the course. The course must 1) be completed within 15 months (summer/school year/summer) of the completion of the course they are repeating and 2) be taken prior to or concurrently with the next course in the sequence within the same discipline. When a student retakes a course, only the higher grade will be counted for course credit and GPA purposes. All courses will remain on the transcript. The higher grade will be reflected in the term that the grade was earned. The course in which the lower grade was earned will remain on the transcript with an "R" (repeat). Students repeating a previously passed course for a higher grade may pre-register for the course, but final registration in mid-August will be made on a space available basis. Students choosing this option should notify their counselor.

Transcripts

1. Obtaining your Early College Credit Transcript
 - a. [College of Lake County](#)
 - b. [Eastern Illinois University](#)
 - c. [Harper College](#)
 - d. [North Central Community College](#)
 - e. [University of Illinois](#)
2. Credit from other Institutions

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

If placement or credit for a learning experience is desired, prior approval must be obtained from the appropriate department head before May 1. Students must submit an External Credit Request Form available from the Student Services Office.

1. If a student takes a course from a credit granting institution that provides an official transcript*, course credit will be granted that affects grade point average (except correspondence courses).
2. If a student takes a course from an institution that does not provide an official transcript but demonstrates proficiency in a particular subject, appropriate placement will be determined by the counselor in consultation with the department head. In these instances, no course credit will be granted.
3. If a student successfully completes a course(s) from an institution that does not provide an official transcript, the student may include the evaluation of those learning experiences with the official BHS transcript.

**Students transferring credit from an accredited academic institution to BHS must provide an official transcript upon registration. Transferred grades are not calculated into the BHS GPA.*

FLEXIBLE LEARNING AND CAREER & TECHNICAL ED

Flexible Learning

GROW, EXCEL, MAGNIFY (GEM)

GEM BFIT (907029) 1/4 credit

GEM CIVICS (707203) 1/2 Credit (Wt. - 4.0)

GEM CONS EDU (407403) 1/2 Credit (Wt. - 4.0)

GEM ENGLISH (207103) 1 Credit (Wt. - 4.0)

GEM GENERAL MATH (607103) 1 Credit (Wt. - 4.0)

GEM GNRL SCIENCE (807103) 1 Credit (Wt. - 4.0)

GEM INDEPENDENT STUDY (030030) 1/2 Credit (Wt. - 4.0)

GEM SOCIAL SCIENCE (707103) 1 Credit (Wt. - 4.0)

Open to 11th and 12th

GEM classes are interdisciplinary seminars designed for students to deepen their learning across multiple subjects, including math, science, English, social studies, and more. Through flexible, project-based options, students will engage in hands-on, explorative work that fosters creativity and critical thinking. This program also supports co-curricular experiences such as internships, work-based learning, and real-world application opportunities, allowing students to bridge classroom knowledge with practical skills. With a focus on individualized learning paths, these seminars provide an enriching environment for students to pursue personal interests while gaining valuable, life-ready experiences.

experience and an average of 4 - 8 hours of work experience per week building the skills needed for the workplaces of today and tomorrow. Work sites should be determined prior to the first day of class. The work site and the school must have a signed agreement. Developing professionalism is expected of all students as they represent BHS to our greater community. See your counselor for more information. **STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.**

CAREER-READY WORKPLACE LEARNING EXPERIENCE (WK0005)

1/2 Credit (Wt. - 5.0)

Open to: 11th and 12th

The Career-Ready Workplace Learning Experience program offers students real-world, hands-on experiences in their chosen career area of interest. Students participate in internships, on-the-job learning, apprenticeships, or employment that previews and prepares them for the world of work.

Students engage in a once-a-week classroom

[Click here to return to the Table of Contents](#)

Agriculture, Food and Natural Resources

HORTICULTURE SCIENCE I ACCL (804205)

1 Science Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisites: 490 on SAT Math OR 17 on ACT Math AND 470 on SAT EBRW OR 17 on ACT Reading and English OR 3.0 GPA for 3 consecutive semesters

This course introduces students to basic plant taxonomy, terminology, anatomy, physiology and the functions/responses of plants. Students will also be introduced to the science and function of native and artificial soils in relation to plant growth and development. Topics on soil texture, formation, physical characteristics, nutrient content and availability, water movement, taxonomy and biota interactions are covered. Students will have an opportunity to earn a career certification in this course. Upon successful completion of this course, students will receive 3 hours of transcribed college credit for HRT121 and 4 hours of transcribed college credit HRT124 from the College of Lake County. The course fee is \$30 per semester.

sustainable approaches work, what is involved to design and build them, how to assess construction materials and costs, and operation of basic maintenance equipment. Upon successful completion of this course, students will receive 3 hours of transcribed college credit for HRT127 and 3 hours of transcribed college credit HRT162 from the College of Lake County. The course fee is \$30 per semester.

HORTICULTURE SCIENCE II (804225)

1 Science Credit (Wt. - 5.0)

Open to 12th

Prerequisite: Horticulture I and 490 on SAT Math OR 17 on ACT Math AND 470 on SAT EBRW OR 17 on ACT Reading and English OR 3.0 GPA for 3 consecutive semesters

This course builds on Horticulture I and goes into depth on plant identification, care and maintenance of over 600+ herbaceous plants used in horticultural production and management. It focuses on sustainable landscape design and management of planting, soil care/preparation, pruning, general turf care and pest identification and control. Students will gain an understanding of how

Arts and Communications

Journalism

JOURNALISM 101 (206015)

1 Credit (Wt. - 5.0)

Open to: 11th and 12th

This two-semester course aims to teach students the foundational skills needed to produce and publish new media. Students will then learn the basics of writing, reporting, photojournalism, and graphic design. During the course, students will also study media trends and examine the impact of social media in journalism. A large portion of the semester will focus on the fundamentals of graphic design, writing competencies, and news media literacy. Students apply these skills for their capstone project, where they produce their own class newspaper. This course counts for English credit. Students who complete this course will earn 3 transcribed college credits for MCM 130 at Harper College.

JOURNALISM PRODUCTION H (2060141)

(Roundup)

1 Credit (Wt. - 4.5)

Open to 9th, 10th, 11th, 12th

This year-long course deals with writing, photography, and graphic elements in publishing. Anyone wishing to be on the Roundup staff must register for this course. Laboratory experiences result in production of the school Roundup. All Roundup staff members will be assigned duties outside of class during the school day, and after regular school hours. This course does not fulfill an English credit but will meet the Fine Arts/CTE graduation requirement.

PHOTOJOURNALISM H (206114) (Yearbook)

1 Credit (Wt. - 4.5)

Open to 9th, 10th, 11th, 12th

This year-long course deals with writing, photography, and graphic elements in publishing. Anyone wishing to be on the yearbook staff must register for this course. Laboratory experiences

result in production of the school yearbook and other projects. All yearbook staff members will be assigned duties outside of class during the school day, and after regular school hours. This course does not fulfill an English credit but will meet the Fine Arts/CTE graduation requirement.

TV and Video Production

STUDIO TV I (313103) 1 Credit (Wt. - 4.0)

STUDIO TV II H (313204) 1 Credit (Wt. - 4.5)

STUDIO TV III H (313304) 1 Credit (Wt. - 4.5)

STUDIO TV IV ACCL (313405) 1 Credit (Wt. - 5.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

From pre-production to post production Studio TV students produce a bi-weekly national award-winning newscast called "BHS-TV." The informative, professional quality and entertaining show is broadcast to the entire campus. During the class students utilize state-of-the-art equipment to gain experience with public speaking, teamwork, news writing, graphic design, lighting, staging, filming, editing, directing and much more. BHS-TV continues to be recognized for more Student Excellence Awards through the National Academy of Television than any other high school in the country.

VIDEO PRODUCTION I (313013) (Wt. - 4.0)

VIDEO PRODUCTION IIH (313024) (Wt. - 4.5)

VIDEO PRODUCTION IIIH (313034) (Wt. - 4.5)

VIDEO PRODUCTION IV ACCL (313045) (Wt. - 5.0)

ADV VIDEO PRODUCTION ACCL (313055) (Wt.-5.0)

All are 1/2 credit

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

This course offers an engaging and professional learning experience through a hands-on learning approach as students acquire the fundamentals of video production. Students will begin to build visual literacy skills that will help them communicate their ideas utilizing the Final Cut Pro editing software. Students will learn to work as a team, as well as independently, while learning

COURSE CATALOG 2025-2026

relevant industry skills necessary to be productive members of a video crew. Students are empowered to utilize their creative abilities through numerous opportunities, write their own original scripts, create their own storyboards, and film and edit their own video projects. Students enrolled will create a variety of video projects including music videos, public service announcements, documentaries and more while having the opportunity to compete with other high schools resulting in national recognition and scholarships.

Finance and Business Services

Business Management

ACCELERATOREDU (304315)

1 Credit (Wt. - 5)

Open to 11th and 12th

Prerequisite: Recipient of funding at Pitch Night and Department head approval

This course fosters the transition of businesses founded in INCubatoredu into sustainable, functioning ventures. The experience models that of a real-life start-up accelerator with a focus on developing cohorts of teams through mentorship, education, connections, and accountability to launch a company.. Students work through major areas of content: legal & banking, customer acquisition, business processes, and product development, and leave the course having gained traction in the marketplace to successfully launch their company.

ADVANCED BUSINESS MANAGEMENT (304104)

1 Credit (Wt. - 4.5)

Open to 11th and 12th

This course is recommended for college-bound students interested in continuing studies in the business field. This course introduces the nature of business and the environment in which it operates. Forms of business ownership, introduction to operative and facilitating facets of business operation, management, marketing, accounting, statistics, business law, finance, investments, insurance and labor-management relations will be studied. Successful completion of this course will fulfill the Consumer Education graduation requirement.

BUSINESS EXPLORATION (301103)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, 12th

Business Exploration promotes an understanding of the concepts, functions, and skills needed to be an informed consumer in today's

economy. This course also provides a hands-on survey of business pathway opportunities in order to launch students toward their next level in other Barrington High School business offerings, future college majors, and possible career pathways. Current events, simulations, and class discussions will be used to present business terminology as well as financial and economic topics that will affect students and the community both now and in the future. The successful completion of this course will fulfill the Consumer Education graduation requirement.

INCUBATOREDU (304215)

1 Credit (Wt. - 5)

Open to 11th (sophomores may be considered after juniors have been placed)

The Incubator course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business plan development. Over the course of the year, student teams will learn about marketing, accounting, human resources, as well as the legal aspects of running a business to get them geared up for Pitch Week. Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of actual investors so they can pitch their innovative idea to win funding and turn their wishful thinking into a reality. Successful completion of this course will fulfill the Consumer Education graduation requirement. This course may use blended strategies. Upon successful completion of this course, students will earn 3 hours of transcribed college credit for MGT154 from Harper College.

COURSE CATALOG 2025-2026

Finance

ACCOUNTING I H (302304)

1/2 Credit (Wt. - 4.5)

Open to 9th, 10th, 11th, 12th

This course is designed to give the student a basic understanding of the fundamentals of accounting activities including the interpretation and analysis of records, statements, etc. It illustrates how systematic records form the basis for decisions that businessmen, industrialists, and government are confronted with every day in business. The college-bound business administration major is encouraged to take advantage of this course and consider advanced accounting offered during their junior and senior year. A supplementary unit on income tax for individuals and business is provided by the federal government for additional study. The students also have the opportunity during the course to complete two practice sets which represent the entire set of financial records for two companies. Many of the principles learned can apply toward establishing an efficient system for personal use. Successful completion of this course will fulfill the Consumer Education graduation requirement.

ECONOMICS (704503)

1/2 Credit (Wt. - 4.0)

Open to 11th and 12th

Economics includes consideration of the following topics: attempts to reconcile unlimited wants with limited resources, the factors of production, the roles of competition, business and government in society, supply and demand, study of the stock market, production, comparative economic systems, and the role of the consumer in the U.S. economy. This course lays a foundation in economic terminology and thought which gives students a good base for further study while providing a basic understanding for those not so inclined. This course satisfies the consumer education requirement.

FINANCIAL ACCOUNTING ACCL (303105)

1 Credit (Wt. - 5.0)

Open to 11th, 12th

Accelerated Financial Accounting presents accounting as an information system that produces summary financial statements primarily for users external to a business. Emphasizes the reporting of the effect of transactions and other economic events on the financial condition and operating results of a business. Topics include: basic accounting concepts, financial statements, accrual vs cash basis, the accounting cycle, monetary assets, inventories, fixed assets, current and long-term liabilities and owner's equity. The course assumes a corporate form of organization. The ultimate objective is to provide the student with the tools necessary to analyze, record, and interpret financial information in a meaningful manner. Students may elect to take a Harper College examination in the Spring to earn possible college credit by examination. (ACC101 Introduction to Financial Accounting 4 college credit hours.)

AP MACROECONOMICS (704525)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

The AP Macroeconomics course introduces students to fundamental economic concepts such as scarcity and opportunity costs. Students will understand the distinction between absolute and comparative advantage, and apply the principle of comparative advantage to determine the basis on which mutually advantageous trade can take place between individuals and/or countries, and to identify comparative advantage from differences in opportunity costs. Other basic concepts that are explored include the functions performed by an economic system, and the way the tools of supply and demand are used to analyze the workings of a free market economy. The course will also introduce the concept of the dynamics of unemployment, inflation, and economic growth. Coverage of these concepts provides students with the foundation for a thorough understanding of macroeconomic concepts and issues.

AP MICROECONOMICS (704515)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

The study of AP Microeconomics requires students to understand that, in any economy, the existence of limited resources along with unlimited wants results in the need to make choices. The course begins by introducing the concepts of opportunity costs and trade-offs, and illustrates these concepts by using the production possibilities curve or other analytical examples. The course can then proceed to a consideration of how different types of economics determine which goods and services to produce, how to produce them, and to whom to distribute them. It is also important that students understand why and how specialization and exchange increase the total output of goods and services. Students need to be able to differentiate between absolute and comparative advantage, to identify comparative advantage from differences in opportunity costs, and to apply the concept of comparative advantage, in order to determine the basis under which mutually advantageous trade can take place between countries. Specific examples from actual economic situations can be used to illustrate and reinforce the principles involved. The importance of property rights, the role of incentives in the functioning of free markets, and the principle of marginal analysis should be highlighted.

Marketing

MARKETING (302103)

1/2 Credit (Wt. - 4.0)

Open to 10th, 11th, 12th

Marketing focuses on how business in the 21st Century uses the internet, social media, and traditional marketing techniques to reach the information-age generation. This course will teach marketing principles and give students understanding of the flow of goods and services from the producer to the consumer. Simulations of today's workplace will be featured with several "hands-on" projects involving the significance of networking, teamwork, and cooperative learning. Students will learn about college and career opportunities and how to become an informed and

smart consumer with knowledge of markets, market identification, and product planning. Successful completion of the Consumer Education module will fulfill the Consumer Education graduation requirement.

SALES - THE GLOBAL IMPACT (302203)

1/2 Credit (Wt. - 4.0)

Open to 10th, 11th, 12th

This course will equip students to effectively communicate and sell their ideas, products and services to others in an information age. Students will understand and demonstrate the steps of the sales process and effective sales techniques. The course will help students understand that successful sales techniques influence and "move" others to take action. Successful completion of the Consumer Education module will fulfill the Consumer Education graduation requirement.

Hospitality and Tourism

CULINARY I (401023)

1/2 Credit (Wt. - 4)

Open to 9th, 10th, 11th, 12th

This introductory culinary course includes exciting classroom and laboratory experiences needed to develop knowledge and understanding of culinary principles and nutrition for people of all ages. Students engage in hands-on minds-on activities exploring kitchen fundamentals such as safety and sanitation, equipment knowledge, measuring tools and techniques and culinary math. Further exploration will occur in the remaining units of grains, vegetables, fruits, dairy and eggs where cooking and baking techniques are cultivated. A fee of \$75.00 per semester is required.

CULINARY II H (401024)

1/2 Credit (Wt. - 4.5)

Open to 9th, 10th, 11th, 12th

Prerequisites: Culinary I

Culinary II is an accelerated lab-based course where students will develop advanced food

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

preparation skills in cooking and baking while also exploring sustainable, regional cuisine. Students will learn to follow current food trends, how to plate food in an aesthetically pleasing way, develop innovative recipes and learn proper front of the house and back of the house procedures through a restaurant style presentation. This course includes opportunities to serve prepared food for BHS. A fee of \$75.00 per semester is required.

industry and take on the role of industry professionals by gaining in-depth experience in restaurant development and the hospitality/tourism industry as a whole. Students will earn 4 hours of transcribed credit at Harper College for FSM 110. A fee of \$75.00 per semester is required.

CULINARY III (402015)

1 Credit (Wt. - 5.0)

Open to 10th, 11th, 12th

Prerequisites: Culinary II

Culinary III uses the two-year, national college-level Pro-Start program designed by the National Restaurant Association to educate high school students in the culinary field. Students learn to plan menus, order food, prep and cook meals, manage restaurants and handle events—often taking on real-world assignments. Experiences include both front of house and back of house learning (food preparation, service, organization, etc.). Students in the program also visit restaurants and catering services and participate in internships. Students will have the opportunity to receive their sanitation/servsafe food handler credential. Upon completion of various courses within the program, students have the chance to compete in local competitions and are tested for certifications, which help them when applying for postsecondary opportunities and culinary jobs. Students will earn 4 hours of transcribed credit at Harper College for FSM 109. A fee of \$75.00 per semester is required.

CULINARY IV (402025)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisites: Culinary III

Culinary IV is the second year of the national college-level Prostart program designed by the National Restaurant Association to educate high school students in the culinary field. will expand students' knowledge and skills acquired in Culinary III. Students will study all aspects of the food service

[Click here to return to the Table of Contents](#)

Health Sciences and Technology

INTRO TO HEALTHCARE (315105)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

Familiarizes students with the healthcare delivery system including an introduction to the organization, structure, function and issues related to the healthcare environment. Upon successful completion of this course, students will receive 2 hours of HSC 105 transcribed college credit from Harper College.

MEDICAL TERMINOLOGY (315205)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

Emphasizes the origin and the basic structure of medical words, including prefixes, suffixes, word roots, combining forms and plurals. Emphasis on rendering a professional vocabulary required for work in the healthcare field. Upon successful completion of this course, students will receive 2 hours of HSC 112 transcribed college credit from Harper College.

CERTIFIED NURSING ASSISTANT (315405)

1 1/2 Credits (Wt. - 5.0)

(1/2 credit 1st semester, 1 credit 2nd semester)

Open to 12th

Prerequisite: Students are required to have a valid Social Security or Tax Identification number, have personal health insurance, be fully vaccinated, and pass a drug test.

Provides theory and training in the basic skills essential to the practice of health care workers who will assist the nurse in the care of patients in a variety of health care settings. This course requires clinical hours that will take place on Saturdays or in the evenings. Clinical observations include direct contact with male and female patients under the supervision of hospital personnel including but not limited to bathing, grooming, dressing, feeding, wound care, and incontinence care. Successful completion of 120 hours of class time and laboratory skills is mandated by the state and is required for

application for the Nurse Aide Competency Exam. This course is approved by the Illinois Department of Public Health, Office of Health Regulations. Upon successful completion of this course, students will receive 6 hours of transcribed credit from Harper: 4 credits for CNA 111 and 2 credits CNA 112. STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION TO CLINICALS IN THE EVENINGS AND WEEKENDS.

INTRO TO ANATOMY, PHYSIOLOGY AND DISEASE (804415)

1 Science Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of one year of science.

This dual credit course surveys the human body, with emphasis on basic physical and chemical concepts, anatomy, physiology, and embryology. Students will also study the nature of human disease with emphasis on the functional disturbances within the body systems. Knowledge of high school biology is assumed. This course was designed to meet the needs of students in certain allied health career programs. Dissection is a frequent and intensive component of the course, and students not wishing to participate in dissection should seriously consider whether this is the appropriate course for them. Upon successful completion of this course, students will earn 4 hours of transcribed college credit for BIO135 from Harper College.

Human and Public Services

Education

ADVANCED PRESCHOOL H (402304)

1/2 Credit (Wt. - 4.5)

Open to 11th and 12th

Prerequisite: Pre-School II

This course is an application of background knowledge and experiences from Child Development and Preschool I and II. Students will integrate their knowledge and experience to develop advanced lesson planning and teaching; scheduling; room environment; assessing kindergarten readiness of preschoolers; and designing their own preschool.

CHILD DEVELOPMENT (402003)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, 12th

This course is a study of children from conception through age four. Developmental areas studied will include the physical, emotional, social, intellectual and moral. In addition, the course will include child development theories, parenting, prenatal development, nutrition, child abuse and an awareness of careers involving children. The skills and creative techniques learned will serve as a basic foundation for working with children in a preschool setting.

EDUCATION CLINICAL EXPERIENCE (402425)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

2nd semester only

Prerequisite: Introduction to Education

This course provides an in-depth study of classroom practices at the secondary level. Students will complete the clinical component of this course by observing classrooms in their area of interest. Upon successful completion of this course, students will have the opportunity to receive 2 hours of Eastern Illinois University transcribed college credit for SED 2000. STUDENTS ARE REQUIRED

TO PROVIDE THEIR OWN TRANSPORTATION for any observations outside of the High School.

INTRODUCTION TO EDUCATION (402415)

1/2 Credit (Wt. - 5.0)

1st semester only

Open to 11th and 12th

This course provides an introduction to teaching as a profession in the American education system. Offers a variety of perspectives on education including historical, philosophical, social, legal, and ethical issues in a diverse society. There is a mandatory 15 hour clinical component. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper College transcribed credit for EDU 201. STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION for any observations outside of the High School.

PRESCHOOL I (402103)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, 12th

Prerequisite: Child Development

This course actively involves the student in planning and teaching a preschool for three and four year olds, using their background experience from the Child Development course as a foundation. Students will be introduced to the different forms of formal observations and produce a portfolio. Students interested in early childhood or elementary education, psychology, social work or parenting will find the course useful and interesting.

PRESCHOOL II H (402204)

1/2 Credit (Wt. - 4.5)

Open to 10th, 11th, 12th

Prerequisite: Pre-School I

This course is a continuation of Preschool I. Students will use their background experience and knowledge from Preschool I to develop and teach in-depth lesson plans incorporating a variety of methods. Formal observations, a case study and continued portfolio production will be covered.

COURSE CATALOG 2025-2026

Public Safety

INTRO TO CRIMINAL JUSTICE (498105)

1/2 Credit (Wt. - 5.0)

Open to 12th

Offered in the fall. Studies the history, role, development, and constitutional aspects of law enforcement and public safety. Review of agencies and functions involved in the processes of administration of criminal justice. The next sequence of this course is Forensics offered in the spring. Successful completion of this course will result in 3 transcribed college credit hours for LEJ 101. This course meets at Harper College. This course is taught off campus and will require three class periods to accommodate transportation. **STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.**

FORENSICS (498205)

1/2 Credit (Wt. - 5.0)

Open to 12th

Offered in the spring. Introduces the student to the use of scientific disciplines in crime investigation. Identifies a variety of sources of evidence and the means by which comparative analysis can be made. Introduces students to probability theory. Develops skills in crime scene technology, fingerprinting, photography, and recording. Successful completion of this course will result in 3 transcribed college credit hours for LEJ 116. This course meets at Harper College. This course is taught off campus and will require three class periods to accommodate transportation. **STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.**

FIRE SCIENCE (4983051)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

Provides an overview of fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection

services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; fire protection systems; introduction to fire strategy and tactics. Successful completion of this course will result in 3 transcribed college credit hours for FIS 100. This course is held at Harper College. This course is taught off campus and will require three class periods to accommodate transportation. **STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.**

FIRE BEHAVIOR AND COMBUSTION (4983052)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Successful completion of Fire Science (4983051)

Explores the theories and principles of how and why fires start, spread, and are brought under control. Students will be able to relate the principles by which fires spread with the appropriate methods of control. Successful completion of this course will result in 3 transcribed college credit hours for FIS 121. This course meets at Harper College. This course is taught off campus and will require three class periods to accommodate transportation. **STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.**

Information Technology

ADVANCED MOBILE APPS DEVELOPMENT

(314314)

1 Credit (Wt. - 4.5)

Open to 11th and 12th

Prerequisite: Completion of Mobile Apps Development

This course continues where Mobile Apps Development left off. This course is designed for the proficient iOS/Swift developer who is ready to tackle more advanced concepts, and to begin to work independently in a true dev shop environment. The first part of this course deals with complex user interfaces and the access and storage of cloud data (JSON, Parse, etc.). The second part of this course involves working in teams to develop and bring to market new apps, particularly in conjunction with concepts identified with the Business Incubator Start-Up. This course provides opportunities to incorporate new and evolving specialized APIs including ResearchKit, HomeKit, HealthKit, CloudKit, Apple Watch, and Apple TV.

AP COMPUTER SCIENCE A (314005)

1 Credit (Wt. - 5.0)

Open to 10th, 11th, 12th

This course can be counted as a Math credit toward Graduation and is designed to be comparable to a first year college-level computer science class. Students will gain a familiarity with Java classes, objects, and data types; basic Java syntax; constructor, accessor, and mutator methods; decision and looping statements; and logical operators, among others. Not only does it provide a basic understanding of computer programming, but it also builds analytical skills that are valuable in the field of computer science, in other academic courses, and in life in general. Students are encouraged to work individually and collectively to solve problems, share solutions, and make important discoveries. Students enrolled in this course are encouraged to take the AP test administered in May.

AP COMPUTER SCIENCE PRINCIPLES (314025)

1 Credit (Wt. - 5.0)

Open to 9th, 10th, 11th, 12th

Prerequisite: completion of Algebra I

This course can be counted as a Math credit toward Graduation. This course is designed for the student that is curious about the impact of computers on their daily lives, the world, and the future. The course utilizes a project based approach. This course develops computational thinking skills through six practices as required by the College Board's curriculum framework. These are: Computational Solution Design, Algorithms and Program Development, Abstraction in Program Development, Code Analysis, Computing Innovations, and Responsible Computing. The course also addresses the five "Big Ideas" of computer science: Creative Development, Data, Algorithms and Programming, Computing Systems and Networks, Impact of Computing.

COMPUTER PROGRAMMING I (314103)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, 12th

This introductory course in computer programming explores the basic concepts of programming (sequence, selection, and iteration) using a multitude of programming applications. Students will utilize easy to understand computer interfaces (i.e. - 'drag and drop') without having to learn a specific computer programming language syntax. Students also have the option to use text-based language if they choose to do so. It is a project-based course. No prior programming experience is necessary. Priority enrollment will be given to students not signed up for either AP Computer Science or Mobile Apps. This course can be taken in conjunction with Computer Programming II as a year long course or as a stand-alone semester elective.

COURSE CATALOG 2025-2026

COMPUTER PROGRAMMING II (314203)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, 12th

This introductory course focuss on language specific computer programming. Students will learn to write their own computer programs from an object-oriented perspective. Number systems key to computer programming, flowcharting, algorithm development, structured programming, and step-wise refinement will follow. They will learn to write programs in the Java programming language, with an emphasis on problem solving techniques. This class provides a solid programming foundation that students will find beneficial for AP Computer Science A the following year. No prior programming experience is necessary. Priority enrollment will be given to students not signed up for either AP Computer Science or Mobile Apps. This course can be taken in conjunction with Computer Programming I as a year long course or as a stand-alone semester elective.

COMPUTER SCIENCE ADV. TOPICS (314325)

1 Credit (Wt. - 5.0)

Open to 12th

Prerequisite: Computer Science Data Structures

This course is designed for the student who wants to independently pursue the further study of advanced computer science topics. Students will work directly with the instructor to design an approved individualized project of the student's choosing, and will then perform their own research, analysis, design, development, implementation, testing, and evaluation of their project. Students who take this course must be self-motivated to be able to consistently work independently on a significantly challenging project that is of interest to them. This course uses a blended format for release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons.

COMPUTER SCIENCE DATA STRUCTURES

(314315)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: AP Computer Science A

This course extends the concepts of AP Computer Science A. In particular, the emphasis of this course is on the organization of information; the implementation of common data structures such as lists, stacks, queues, trees, and graphs, including linked structures, hash tables, and heaps, as well as elementary methods of complexity analysis applied to algorithms that manipulate dynamic and static data structures. This course uses a blended format for release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons.

MOBILE APPS DEVELOPMENT (314304)

1 Credit (Wt. - 4.5)

Open to 10th, 11th, 12th

Designed for the beginning programmer but challenging for an experienced coder, this class utilizes Xcode, Apple's professional development environment, and SwiftUI, Apple's declarative coding framework. In this class, you'll unleash your creativity as you design and build innovative applications from scratch. Explore the fundamentals of coding in Swift, learn to create stunning user interfaces, and gain hands-on experience with real-world projects. Whether you dream of launching the next big app or simply want to enhance your tech skills, this course is your gateway to the exciting universe of iOS development.

PLTW - DIGITAL ELECTRONICS (316125)

1 Credit (Wt. - 5.0)

Open to 10th, 11th, 12th

Prerequisite: PLTW - Introduction to Engineering

This course is based on the principles and laws of traditional electronics and electrical theory. Digital Electronics and embedded micro-computers (a direct application of Digital) are in every product

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

that is either plugged into a wall or operated by batteries, and is therefore a technology that all people are exposed to in their daily lives. Students will begin with a study of basic electrical theory then move on to learn the basic principles and theories of digital circuits. Students will receive both high school and Harper college credit for this course upon successful completion of this class. Upon successful completion of this course, students will have the opportunity to receive 3 hours of transcribed credit for ELT203 from Harper College.

Manufacturing, Engineering, Technology, and Trades

Architecture and Construction

Architecture

ARCHITECTURAL DRAFTING I H (317114)

ARCHITECTURAL DRAFTING II H (317214)

ARCHITECTURAL DRAFTING III ACCL (317315)

ARCHITECTURAL DRAFTING IV ACCL (317415)

1/2 Credit (Wt. - 4.5/ 5.0)

Open to 10th, 11th, 12th

Prerequisite: sequential

Architectural Drafting provides the fundamentals in the principles of architectural drawing using computer aided design and drafting (CADD). Topics include fundamentals of residential design and construction, foundations & floor plan design, roof design, proper architectural dimensioning techniques, blueprint reading, and the preparation of presentation drawings including floor plans, elevations, and walk-throughs. Students will complete sets of architectural working drawings for a residential and commercial structure using Revit Architecture software. Students interested in architectural related careers are encouraged to enroll in this sequential Architectural Drafting course.

ARCHITECTURAL INTERIORS (317003)

1 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, 12th

This year-long course is an introductory study of CADD and Interior Design. It provides an introduction to the use of computer-aided drafting & design software for use in interior design. It also introduces the student to the elements & principles of design, such as line, shape, space, balance, rhythm, proportions, and variety through a series of projects using CADD. This course is highly recommended for students with an interest in architecture and/or interior design.

DRAFTING/CADD I H (317014)

DRAFTING/CADD II H (317024)

DRAFTING/CADD III H (317034)

DRAFTING/CADD IV H (317044)

1/2 Credit (Wt. - 4.5)

Open to 9th, 10th, 11th, 12th

Prerequisite: sequential

CADD courses provide students the fundamental skills necessary to produce and interpret basic blueprints and mechanical and technical drawings for industry and design. Students will explore the technical designs and design process for various career fields to include engineering, manufacturing and architectural design. Students will develop problem-solving and analytical thinking skills. In CADD I & II, most work will be accomplished using Autodesk AutoCAD software through the introduction of two and three-dimensional problems. Some manual sketching skills will be introduced during the drawing process. In the advanced courses, CADD III & IV, students will focus primarily on 3D concept modeling using Autodesk Inventor software to solve engineering and manufacturing problems. Students will have an opportunity to design and manufacture parts on the 3D printer, develop complex assembly drawings, and create working animations. Students will engage in capstone projects to demonstrate and apply their design skills learned throughout these sequential courses for engineering and design-related careers.

PLTW – CIVIL ENGINEERING & ARCHITECTURE (316135)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: PLTW– Introduction to Engineering Design, PLTW - Principles of Engineering Design

This course emphasizes the interrelationship and dependence that civil engineering and architecture have on each other. Students use software to solve real world problems and communicate solutions to hands-on projects and activities. Students apply what they learn about various aspects of civil engineering and architecture

COURSE CATALOG 2025-2026

to the design and development of a property. Working in teams, students explore hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

WELDING I (4976151) (Wt. - 5.0)

WELDING II (4976251) (Wt. - 5.0)

WELDING III (4976352) (Wt. - 5.0)

WELDING IV (4976452) (Wt. - 5.0)

1/2 Credit per semester

Open to 11th and 12th

Prerequisite: Sequential with a grade of C or better

This dual credit sequence covers fundamentals of welding theory and practices and beginning electric welding. Includes arc welding and gas welding, brazing and cutting in the horizontal position. Students will get experience in MIG and TIG (Heliarc) techniques. Includes an introduction to strength of weld testing. Students completing these courses will receive the following transcribed college credit: Welding I - 6 credits for WLD110 & WLD210; Welding II - 4 credits for WLD 211 & WLD 212; Welding III - 4 credits WLD 246; Welding IV - 4 Credits WLD 248 These classes are held at Harper College and meet from 8:30-1:30 on Tuesdays and Thursdays and self-paced online learning requirements for M, W, and F. District 220 will provide transportation for this course.

Heating, Ventilation, Air Conditioning (HVAC)

HEATING PRINCIPLES (497315)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

Introduces vocabulary, concepts and scientific principles used in the heating industry.

Studies heat laws, heat transfer, and examines fundamentals of the combustion process. Covers gas, oil, and electric forced-air systems for residential comfort heating. Emphasizes practical application for testing and adjusting system performance, troubleshooting electrical systems and control, working with gas pipe, preventative maintenance, service and repair. This course requires classroom meeting time and approximately 10 HVAC open lab hours per week. Successful completion of this course will result in 3 transcribed college credit hours for HVA 103. This course meets at Harper College. This course is taught off campus and will require three class periods to accommodate transportation. STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION

REFRIGERATION FUNDAMENTALS (497325)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Heating Principles (497315)

Introduces vocabulary, concepts and scientific principles used in the refrigeration and air conditioning industry. Studies theories on heat laws, pressures, matter, and energy; examines refrigerant chemistry and the refrigeration cycle. Covers proper refrigerant management techniques and safe practices. Emphasizes practical application, troubleshooting techniques, measuring and testing the operation of the basic refrigeration cycle; including working with ACR copper tubing, tools, and instruments. This course requires classroom meeting time and approximately 10 HVAC open lab hours per week. Successful completion of this course will result in 3 transcribed college credit hours for HVA 101. This course meets at Harper College. This course is taught off campus and will require three class periods to accommodate transportation. STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.

INTRODUCTORY ELECTRONICS (497405)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

Introduces fundamentals of electricity and magnetism. Covers basic electrical laws and principles. Presents electrical quantities, units, symbols and notation. Examines foundational electronic materials and components. Presents elementary DC (direct current) and AC (alternating current) network analysis, key semiconductor devices, and simple analog and digital circuits. Also covers electrical safety considerations, laboratory instrumentation and test and measurement techniques. Successful completion of this course will result in 4 transcribed college credit hours for ELT 110. This course meets at Harper College. This course is taught off campus and will require three class periods to accommodate transportation. STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.

ELECTRONICS I (497415)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Introductory Electronics (497405)

Introduces students to industrial control systems. Covers fluid power fundamentals, and pneumatic and hydraulic circuit theory. Examines the integration of optics, sensors, and various electronic control systems including programmable logic controller (PLC) and personal computer (PC) controllers. Infrared (IR) emitters and detectors, and laser systems are also examined. Introduces the application and control of automated robotic systems. The course culminates with a capstone team project involving the development, design, construction, presentation and ultimate demonstration of a fully operational automated industrial control system. Successful completion of this course will result in 4 transcribed college credit hours for ELT 215. This course meets at Harper College. Class may meet in the evening. This course is taught off campus and will require three class periods to accommodate transportation. STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.

Engineering

PLTW - INTRO TO ENGINEERING DESIGN H (316104)

1 Credit (Wt. - 4.5)

Open to 9th, 10th, 11th

Introduction to Engineering Design encourages students to employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the community. Students are encouraged to be creative in applying decision-making and problem solving skills to specific design problems, using powerful computer hardware and software (Inventor) to develop 3-D models or solid renderings. Using a CAD (computer-aided-design) system, students explore the design process through creating, analyzing, rendering, and producing concept models & 3-D print models.

PLTW - PRINCIPLES OF ENGINEERING (316115)

1 Credit (Wt. - 5.0)

Open to 10th, 11th, 12th

Prerequisite: PLTW-Introduction to Engineering

This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Principles of Engineering (POE) students will develop an understanding of course concepts through projects, problem-based learning, and teamwork. This course challenges students to hone their interpersonal skills, creative abilities, and problem solving skills based on engineering concepts. It also allows students to develop strategies to enable and direct their own learning.

PLTW - CIVIL ENGINEERING & ARCHITECTURE (316135)

1 Credit (Wt. - 5.0)

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

Open to 11th and 12th

Prerequisite: PLTW- Introduction to Engineering Design, PLTW - Principles of Engineering Design

This course emphasizes the interrelationship and dependence that civil engineering and architecture have on each other. Students use software to solve real world problems and communicate solutions to hands-on projects and activities. Students apply what they learn about various aspects of civil engineering and architecture to the design and development of a property. Working in teams, students explore hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

PLTW - ENGINEERING DESIGN & DEVELOPMENT (316145)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: PLTW-Introduction to Engineering Design, PLTW-Principles of Engineering Design and either PLTW-Digital Electronics or PLTW-Civil Engineering and Architecture

This is the final course in the Project Lead the Way sequence for engineering. This course is the Senior Capstone course requiring the application of the knowledge and skills acquired throughout the PLTW Engineering program. Students in EDD work as a team to identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of professionals using a systematic and logical design process. These problems can include a wide range of fields from architecture to CNC manufacturing. Students apply the professional skills they have developed to document and present their project against high standards. This course allows students to explore what the actual workplace is like and how they can

contribute to finding solutions and making a difference within the community.

Transportation

AUTOMOTIVES IA H (496104)

AUTOMOTIVES IB H (496104)

AUTOMOTIVES II H (496204)

AUTOMOTIVES III H (496304)

AUTOMOTIVES IV H (496404)

1/2 Credit (Wt. - 4.5)

Open to 10th, 11th, 12th

This course covers theory, operation and care of basic components of modern automobiles, engines and engine systems, drive trains, brakes, and suspensions. Students develop skills and understanding while applying theory to the practical application of working on autos. This course is taught off campus and will require three class periods to accommodate transportation. District 220 will provide transportation for this course.

ENGLISH



BARRINGTON
HIGH SCHOOL

Key:

*: Indicates a semester-long stacked CP/H course
⚡: Indicates a semester-long Dual Credit course

9th Grade

**FR English
College Prep**

**FR English
Honors**

10th Grade

**SO English
College
Prep**

**SO English
H**

**AP
Seminar**

11th Grade

**JR English
College
Prep**

Options available to
11th and 12th Grade

**Literature
&
Film/ H**
*

**AP English
Language**

**AP English
Language -
IA**

12th Grade

**Journalism
101**
⚡

**Creative
Writing/ H**
*

**AP English
Literature**

**AP
Seminar**

**Intro to
Rhetoric**

**Speech
101**
⚡

**Myth
&
Folklore/ H**
*

**AP
Research**

**English
101**
⚡

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

FR ENGLISH COLLEGE PREP (201203)

FR ENGLISH H (201204)

1 English Credit (Wt. - 4.0/4.5)

Open to 9th

Freshman English is a year-long course for incoming 9th graders where students develop skills in reading, analysis, writing, grammar, oral communication, and research. The curriculum explores the coming of age through short stories, essays, articles, novels, poetry, drama, and other texts. Through their reading of model texts, students are introduced to various stylistic techniques and write in multiple formats throughout the year, including narrative and argument. Authentic class discussion also plays a vital role in enhancing literacy skills. Course selection is determined through the careful consideration of a number of testing and teacher recommendation factors. Freshman English College Prep serves students who will benefit from continued reinforcement of the foundational skills noted above, while Freshman English Honors is best suited for students who are prepared for a greater challenge. Both classes are outstanding preparation for college.

SO ENGLISH COLLEGE PREP (202203)

SO ENGLISH H (202204)

1 English Credit (Wt. - 4.0/4.5)

Open to 10th

Prerequisite: Successful completion of Freshman English

Sophomore English is a year-long course for incoming 10th graders where students continue to develop skills in reading, analysis, writing, grammar, oral communication, and research. The curriculum explores the concept of culture through short stories, essays, articles, novels, poetry, drama, and other texts. Through their reading of model texts, students build upon the various stylistic techniques and multiple writing formats introduced in Freshman English, with a focus on persuasion and an introduction to rhetorical analysis. Authentic class discussion also plays a vital role in enhancing literacy skills. Course selection is determined through the careful consideration of a number of testing and

teacher recommendation factors. Sophomore English College Prep serves students who will benefit from continued reinforcement of the foundational skills noted above, while Sophomore English Honors is best suited for students who are prepared for a greater challenge. Both classes are outstanding preparation for college.

JR ENGLISH COLLEGE PREP (203203)

1 English Credit (Wt. - 4.0)

Open to 11th

Prerequisite: Sophomore English

Junior English is a year-long course for 11th graders exploring the distinguishing characteristics of American literature and the American experience that it reflects. Particular attention will be focused on the tension between idealism and realism in that tradition. Students will be instructed in how to formulate a research topic, refine that topic in the research process, evaluate online and print resources, and synthesize the thinking drawn from multiple sources. There will be a thorough review of grammar, usage, and rhetoric.

INTRO TO RHETORIC (204303)

1 English Credit (Wt. - 4.0)

Open to 12th

Prerequisite: Three credits of English and an ESRW SAT score of at least 370

Introduction to Rhetoric introduces students to the conventions of academic writing and critical thinking and prepares students for the rigors of college by developing the skills necessary for analyzing and synthesizing information. Students who earn a C- or better will be able to use this course for college placement at community colleges and some state universities.

CREATIVE WRITING (204413)

CREATIVE WRITING H (204414)

1/2 English Credit (Wt. - 4.0/4.5)

Open to 11th and 12th

Prerequisite: Sophomore English

The goal of Creative Writing is to assist each student in the fullest expression of his or her unique

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

voice in writing. Through reading the works of other writers, both professionals and peers, and through writing assignments that allow for a wide range of experimentation in various genres, students become familiar with their creative writing options. By sharing their work with others, they grow as writers in an atmosphere that encourages honest, tactful, and supportive responses. Students experiment with both traditional and modern poetic verse; experiment with narrative points of view, strategies of characterization, and other components of fiction; compose a narrative and/or reflection in which a significant moment of personal experience is the focal point.

STUDIES IN LITERATURE AND FILM (204433) and STUDIES IN LITERATURE AND FILM H (204434)

1/2 English Credit (Wt. - 4.0/4.5)

Open to 11th and 12th

Prerequisite: Sophomore English

Studies in Literature and Film is a semester-length elective course that combines the analysis of literary texts – classic and contemporary, fiction and nonfiction - with analogous films. Students will analyze various aspects of how these correlating works are depicted: theme, characterization, tone, mood and narrative sequence. Students will write analytically, reflectively, and creatively, and they will be assessed through a combination of lectures, discussion, and individual as well as group-based writing and research.

MYTH, FOLKLORE, & LEGEND (204423) and MYTH, FOLKLORE, & LEGEND H (204424)

1/2 English Credit (Wt. - 4.0/4.5)

Open to 11th and 12th

Prerequisite: Sophomore English

This one semester senior course acquaints students with the myths, legends, fables and folklore that form the background and tradition of our literary heritage. Students will study a broad range of stories from a variety of cultures around the world: myths that convey the traditions of ancient and modern cultures; classic and modern legends,

including Arthurian legend as well as contemporary Grail quests; and the folklore that helps to shape national, regional, and ethnic identities. Students will demonstrate their understanding of the significance of this literature through analytical writing and research as well as the creation of their own stories.

ENGLISH 101 (204705)

1/2 English Credit (Wt. - 5.0)

Open to 12th

Prerequisite: Harper requirements listed below

Composition emphasizes the writing of expository prose and introduction to the critical reading of nonfiction prose. For a student to be enrolled in this course they must meet ONE of the following Harper requirements: PSAT or SAT of 480 in Reading & Writing; OR an ACT Reading score of 20 or better AND and ACT English score of 19 or better. A student may also qualify for this course by completing the Harper Diagnostic Essay and earning a score of 4 or 5. Upon successful completion of this course, students will receive 3 hours of Harper transcribed ENG 101 credit.

SPEECH 101 (206505)

1/2 English Credit (Wt. - 5.0)

Open to 12th

Fundamentals of Speech Communication includes the theory and practice of oral communications, development of poise, confidence and skill in speech organization and delivery, emphasis on frequent speaking, development of standards of criticism and selection and organization of material. Upon successful completion of this course, students will receive 3 hours of Harper transcribed SPE 101 credit.

AP ENGLISH LANGUAGE/IA (203225)

1 English Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Students should have a strong interest in art

Interrelated Arts is a year-long AP Language course that offers a challenging, interdisciplinary curriculum centered in the American literary

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

heritage. In this AP Language course that explores the concepts underlying great movements in the fields of American literature, art, music, and architecture, students engage in a wide variety of readings and media that develop their ability to understand and rhetorically interpret texts of a non-fiction, fiction, visual, and musical nature. An important dimension of this program is its field trips that provide live experiences with the various arts. There may be up to six field trips during the course of the year. The cost of these trips (up to \$150 total) will be collected prior to each event.

AP ENGLISH LANGUAGE (203435)

1 English Credit (Wt. - 5.0)

Open to 11th and 12th

This course examines rhetorical features and rhetorical strategies of a variety of texts. It centers on American literature, with an emphasis on nonfiction, and includes oral, visual, and graphic texts. Students will explore a variety of philosophical issues, the relationship of language and thought, and the processes of making meaning through close reading. The rhetorical analysis of literature and other media will require the student to reach beyond the fundamental questions of most literary studies and examine, in-depth, the significance of structure and strategy. Students will write personal, analytical, persuasive, and research-based essays. All students will prepare a research topic, refine that topic through the research process, evaluate on-line and print resources, and synthesize the thinking drawn from multiple sources. This course prepares students for the Advanced Placement English Language and Composition Examination

AP ENGLISH LITERATURE AND COMPOSITION (204625)

1 English Credit (Wt. - 5.0)

Open to 12th

AP English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature at a collegiate level. As they read, students consider a work's structure, style, and themes, as well as specific elements such

as the use of figurative language, imagery, symbolism, and tone. Such reading is accompanied by thoughtful discussion and writing about those texts in the company of one's fellow students. This course prepares students for the Advanced Placement Exam in Literature and Composition.

AP SEMINAR/ENGLISH (206205)

1 English Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

AP seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary and philosophical texts; listening to and viewing speeches, broadcasts and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. This course is a prerequisite to AP Research/English that can be taken senior year.

AP RESEARCH/ENGLISH (206215)

1 English Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Successful Completion of AP Seminar

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

FINE ARTS

AP ART DRAWING (112005)

AP ART 3-D DESIGN (113005)

AP ART 2-D PHOTOGRAPHY (116005)

1 credit (Wt.-5.0)

Open to 11th and 12th

Prerequisite: 1 year in art, portfolio review, and teacher and department head approval.

Students wishing to do college-level work in studio art may apply for this class by submitting a portfolio for review in February of the preceding year. The program is intended for highly motivated students committed to serious study in art. Work may be done in any of the eight studio areas: drawing, painting, printmaking, photography, design, sculpture, ceramics and jewelry. Advanced placement work involves significantly more time and work than most high school level courses; senior students must enroll in one other art studio class concurrently. (2nd year AP students may substitute AP Art History as a second Visual Art class). A fee of \$80.00 per semester is required.

AP ART HISTORY (118005)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

This year-long course, is a critical study and understanding of architecture, sculpture, painting, and other art forms within historical and cultural contexts. This course will introduce students to the rich traditions of western and non-western art through factual knowledge and the skillful use of principles of aesthetics and comparative criticism, and through continuous reference to the essentially related fields of religion, history, and geography. While no prerequisite coursework for this course is required, students who have done well in history, literature, and Interrelated Arts, or in any of the advanced levels of the studio art, should be encouraged to enroll. While the course does not seek primarily to identify students who will major in

art history in college, it will require a high degree of commitment to academic work and to the purposes of a program designed to meet college standards.

CERAMICS I (111103)

CERAMICS II (111203)

CERAMICS III (111303)

CERAMICS IV (111403)

ADV CERAMICS (111503)

ADV HONORS CERAMICS (111504)

1/2 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Ceramics is a studio, project-oriented art class. The majority of class time is directed towards completing hands-on project constructions in clay. The emphasis for beginning students is to learn process; hand building with slab, coil construction and glazing. No prerequisite is required for Ceramics I. Those continuing in Ceramics II, III and IV will create more conceptually oriented assignments at an advanced ability level. Advanced students learn how to throw on the potter's wheel and the unusual firing technique of Raku. A fee of \$40.00 per semester is required.

CONTEMPORARY SCULPTURE I (113103)

CONTEMPORARY SCULPTURE II (113203)

CONTEMPORARY SCULPTURE III (113303)

CONTEMPORARY SCULPTURE IV (113403)

ADV CONTEMPORARY SCULPTURE (113503)

ADV HONORS CONTEMPORARY SCULPTURE (113504)

1/2 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential, MS Extended Art students can enter at Contemporary Sculpture II

The focus of this studio course is to explore traditional and contemporary sculpture materials and processes. Materials may include plaster, stone, wood, metal, plasticine, wire, papier maché, fabric/fibers, and found materials. Goals include acquiring technical skills, understanding the physical and expressive possibilities of diverse materials, and learning safe, appropriate use of tools and materials.

COURSE CATALOG 2025-2026

Students wanting further involvement with advanced technique and concepts may take Contemporary Sculpture II, III, and IV. A fee of \$30.00 per semester is required.

DIGITAL ARTS I (312013)

DIGITAL ARTS II (312023)

DIGITAL ARTS III H (312034)

DIGITAL ARTS IV H (312044)

ADV. DIGITAL ARTS H (312054)

1/2 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

Digital Arts is a project-based curriculum where students learn the fundamentals of digital illustration, idea and character development, and creative risk-taking. Utilizing professional drawing tablets and Adobe Creative Cloud software, students use the elements & principles of design along with critical thinking, technical and creative problem solving skills, to discuss, collaborate and create art on, and for, a digital platform. Projects include the creation of children's book illustrations and character design, animated GIFs, Snapchat filters, sticker packs, posters, and many other digital outputs. Check out @wemakebhs on Instagram #wemakecoolthings.

DIGITAL PHOTOGRAPHY I (116613)

DIGITAL PHOTOGRAPHY II H (116624)

DIGITAL PHOTOGRAPHY III H (116634)

DIGITAL PHOTOGRAPHY IV H (116644)

DIGITAL PHOTOGRAPHY ADV (116653)

DIGITAL PHOTOGRAPHY ADV H (116654)

1/2 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

In Digital Photography, students learn to apply traditional photography principles to a digital medium. Through lectures, demonstrations, shooting assignments, and critiques, students are introduced to a basic aesthetic grammar of photography, addressing the historical, cultural, commercial and artistic significance of photography as a medium; and are provided with a historical and critical context for

looking at and making photographs. Students learn the fundamentals of digital capture and use industry standard software, Adobe Lightroom and Photoshop, for file processing, management, and output, using their own digital cameras with manually adjustable focus and exposure (a limited number of loaners are available for one-night use). A fee of \$75.00 per semester is required (includes one pack of paper, access to a pro quality photo printer, and software license for the Adobe Creative Suite).

DRAWING / PAINTING I (112103)

DRAWING / PAINTING II (112203)

DRAWING / PAINTING III (112303)

DRAWING / PAINTING IV (112403)

ADVANCED DRAWING / PAINTING (112503)

ADV HONORS DRAWING/ PAINTING (112504)

1/2 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential, MS Extended Art students can enter at Drawing/Painting II

Drawing/Painting is for students who want to learn how to draw or to improve their current drawing/painting skills. Students will improve their ability to think and see creatively as they work on putting their unique ideas in visual form. Assignments focusing on different approaches to drawing and painting will include working from close observation, working conceptually, and working with personal expression. Students will experiment with a variety of materials: pencil, pastel, ink, charcoal, oil pastel, watercolor, and mixed media. Emphasis is placed on learning how to use materials and appreciate the role of process in making art. The class is designed for all levels of ability. Assignments are designed to meet individual differences. Drawing/Painting I has no prerequisite. A fee of \$25.00 per course is required.

GRAPHIC DESIGN I (311013) (Wt. - 4.0)

GRAPHIC DESIGN II H (311024) (Wt. - 4.5)

GRAPHIC DESIGN III H (311034) (Wt. - 4.5)

GRAPHIC DESIGN IV H (311044) (Wt. - 4.5)

ADV. GRAPHIC DESIGN ACCL (311055) (Wt. - 5.0)

All courses are 1/2 credit

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

These courses familiarize students with Graphic Design theory, application, and the visual communication of ideas. Students will use the elements & principles of design along with critical thinking and creative problem solving skills, to discuss, collaborate, and physically MAKE innovative and alluring graphic design projects. Both Adobe Creative Cloud (Photoshop, Illustrator) along with traditional making methods will be utilized to explore interesting design possibilities, both digitally and physically.

- Graphic Design I covers essential design skills and become proficient in Adobe CC design programs through the development of self-interest projects.
- Graphic Design II projects include a range of challenges including digital, and variety of materials, tools, and industry equipment to make their designs a reality.
- Graphic Design III Students investigate design possibilities and create projects as if they were hired by their favorite brands.
- Graphic Design 4+ students work for our student-run clothing company called *The Brand*. Students design, produce and create for The Brand as well as work as brand ambassadors at pop-up shops and special events

METAL AND JEWELRY ARTS I (114103)

METAL AND JEWELRY ARTS II (114203)

METAL AND JEWELRY ARTS III (114303)

METAL AND JEWELRY ARTS IV (114403)

ADV METAL & JEWELRY ARTS (114503)

ADV HONORS METAL& JEWELRY ARTS (114504)

1/2 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

This course is designed to familiarize students with basic and traditional metal techniques involved in the design and creation of one-of-a-kind jewelry and metal objects. Students learn how easy it is to be creative with original designs from nature and other sources. Design inspiration from

contemporary and historical fine art jewelry will be encouraged. Students can make cast and fabricated rings and pendants. Bracelets, neckpieces, small containers and sculpture can be formed with hammers and soldered together. Special projects include Blacksmithing, Glass Bead making, Cloisonné enameling, and Lost Wax Casting. Materials include silver, copper, brass, iron, pewter, wood, plastic, and found objects. No prerequisite is required for Jewelry and Metalsmithing Arts I. Students can continue in jewelry class every semester with jewelry II, III, and IV. All basic tools and materials are provided. Also required are a combination lock and a sketchbook. . A fee of \$35.00 per semester is required.

PHOTOGRAPHY I (116103)

PHOTOGRAPHY II (116203)

PHOTOGRAPHY III (116303)

PHOTOGRAPHY IV (116403)

ADV PHOTOGRAPHY (116503)

ADV HONORS PHOTOGRAPHY (116504)

1/2 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

In Darkroom Photography, creative camera work with light-sensitive emulsions is at the core of this semester-long course. Students become familiar with the process and aesthetic considerations of the medium, beginning with basic technical instruction and problem-solving methods for black-and-white film photography. Camera operation, film processing, printmaking and presentation are the main areas of concentration. (Students must provide their own film cameras.). Essays and reviews deal with contemporary issues as well as the history of the medium, in addition to work in the darkroom. In successive semesters, students investigate the concept of fine print, experiment with a variety of materials, and employ more extensive manipulation of images. Continuing study assumes mastery of tools, materials and processes. A fee of \$75.00 per semester is required. (includes two packs of paper and four rolls of film); additional expenses for film, papers and field trips.)

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

PRINTMAKING I (117103)

PRINTMAKING II (117203)

PRINTMAKING III (117303)

PRINTMAKING IV (117403)

ADV PRINTMAKING (117503)

ADV HONORS PRINTMAKING (117504)

1/2 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

Printmaking is a class for students interested in fine art, fashion, and/or design. Students will learn to make multiple prints (or copies of your image) onto paper and fabric to create works of art as well as wearable pieces. Carve rubber and linoleum, etch plates, screen print, create mono prints, and try other experimental techniques. No prerequisite is required for Printmaking I and all levels of art ability are welcome. In Printmaking II, III and IV students deepen and expand their skills in printmaking processes and design. A fee of \$30.00 per semester is required.

STUDIO TV I (313103) 1 Credit (Wt. - 4.0)

STUDIO TV II H (313204) 1 Credit (Wt. - 4.5)

STUDIO TV III H (313304) 1 Credit (Wt. - 4.5)

STUDIO TV IV ACCL (313405) 1 Credit (Wt. - 5.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

From pre-production to post production Studio TV students produce a bi-weekly national award-winning newscast called "BHS-TV." The informative, professional quality and entertaining show is broadcast to the entire campus. During the class students utilize state-of-the-art equipment to gain experience with public speaking, teamwork, news writing, graphic design, lighting, staging, filming, editing, directing and much more. BHS-TV continues to be recognized for more Student Excellence Awards through the National Academy of Television than any other high school in the country.

VIDEO PRODUCTION I (313013) (Wt. - 4.0)

VIDEO PRODUCTION IIH (313024) (Wt. - 4.5)

VIDEO PRODUCTION IIH (313034) (Wt. - 4.5)

VIDEO PRODUCTION IV ACCL (313045) (Wt. - 5.0)

ADV VIDEO PRODUCTION ACCL (313055) (Wt.-5.0)

All are 1/2 credit

Open to 9th, 10th, 11th, and 12th

Prerequisite: sequential

This course offers an engaging and professional learning experience through a hands-on learning approach as students acquire the fundamentals of video production. Students will begin to build visual literacy skills that will help them communicate their ideas utilizing the Final Cut Pro editing software. Students will learn to work as a team, as well as independently, while learning relevant industry skills necessary to be productive members of a video crew. Students are empowered to utilize their creative abilities through numerous opportunities, write their own original scripts, create their own storyboards, and film and edit their own video projects. Students enrolled will create a variety of video projects including music videos, public service announcements, documentaries and more while having the opportunity to compete with other high schools resulting in national recognition and scholarships.

WOODWORKING I (318103)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

These sequential woods courses are designed to teach students skills that include safety around tools and equipment, measurement, hand tool use and identification, wood joints, board foot computation, power tool and machine use, project selection, planning and construction. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. A fee of \$35.00 per semester is required.

WOODWORKING II (318203)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

Prerequisite: sequential

These sequential woods courses are designed to teach students skills that include safety around tools and equipment, use and construction of wood joints, wood lathe spindle turning, project construction and wood finishing. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. A fee of \$40.00 per semester is required.

WOODWORKING III H (318304)

1/2 Credit (Wt. - 4.5)

Open to 10th, 11th, and 12th

Prerequisite: sequential

These sequential woods courses are designed to teach students skills that include safety around tools and equipment, organization of materials, project construction, special jigs and setups, wood lathe face plate turning, hand and power tool/machine maintenance and care. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. Large scale or elaborate projects may require students to source their own materials. A fee of \$35.00 per semester is required.

WOODWORKING IV H (318404)

1/2 Credit (Wt. - 4.5)

Open to 10th, 11th, and 12th

Prerequisite: sequential

These sequential woods courses are designed to continue to teach students skills that include safety with tools and equipment, project construction using special jigs and fixtures, and more advanced setups. An emphasis will be placed on organization of materials, work time productivity, planning of projects and working with others in the lab. Student interest projects will be used to gain

hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. Large scale or elaborate projects may require students to source their own materials. A fee of \$35.00 per semester is required.

ADVANCED WOODS HONORS (318504)

1/2 Credit (Wt. - 4.5)

Open to 11th and 12th

Prerequisite: sequential

These sequential woods courses are designed to continue to teach students skills that include safety with tools and equipment, project construction using special jigs and fixtures, and more advanced setups. An emphasis will be placed on organization of materials, work time productivity, planning of projects and working with others in the lab. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. Large scale or elaborate projects may require students to source their own materials. A fee of \$35.00 per semester is required.

WOODS DESIGN/SCULPTURE (318603)

1/2 Credit (Wt. - 4.5)

Open to 11th and 12th

Prerequisite: sequential

Prerequisite: Woods IV, Design IV, or instructor and dept. chair approval

Woods Design/Sculpture will introduce the elements and principles of design to wood as a medium for sculpture. Students within this section will plan and build projects that focus on three dimensional designs. Projects may include functional and non-functional pieces as well as large scale collaborative sculptures. Other project components may include metal, glass, plastic, and textiles. Woods Design/ Sculpture is a semester course open to students with two previous semesters of woods or design. Large scale or elaborate projects may require students to source their own materials. A fee of \$35.00 per semester is required

[Click here to return to the Table of Contents](#)

PERFORMING ARTS

THEATRE I (101013)

THEATRE II (101023)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

This class is designed to give students fundamental knowledge of the creative and artistic process of acting for the theatre. Such knowledge is best learned through experience, participation, and performance. During this course students will learn to adopt the rituals and routines of the actor, develop skills and techniques of the actor, and engage in ensemble building behaviors of the actor. Fee is \$15 per semester.

ACTOR'S WORKSHOP I (101113)

ACTOR'S WORKSHOP II (101123) (II H 101124)

ACTOR'S WORKSHOP III (101133) (III H 101134)

ACTOR'S WORKSHOP IV (101143) (IV H 101144)

ADVANCED ACTOR'S WORKSHOP (101153)

ADVANCED HONORS ACTOR'S WORKSHOP (101154)

1/2 Credit (Wt. - 4.0/4.5)

Open to 10th, 11th, and 12th

Prerequisite: Theatre I and II

This class is designed to build on and further student knowledge of the creative and artistic process of acting for the theatre obtained in Theatre I and Theatre II with an increase in rigor. This course will cover rotating topics in multiple theatrical disciplines and will require students to reflect on their learning goals and their impact on the class as an ensemble. Students may have input on learning topics and materials. Students will continue to adopt the rituals and routines of the actor, develop skills and techniques of the actor, and engage in ensemble building behaviors of the actor. This knowledge is best learned through experience, participation, and performance. Fee is \$15 per semester.

CONCERT BAND (102103) & CONCERT BAND H (102104)

1 Credit (Wt. - 4.0/ 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: previous band experience

The major activity for Concert Band is the rehearsal and performance of standard high school band literature at appropriate grade levels. Students from this class join Symphonic Band members to form the BHS Bronco Marching Band during the first semester from August through October. The Bronco Marching Band performs at all the BHS home football games and local parades as a co-curricular course requirement. Additionally, concert band students will have the opportunity to elect to travel with the band on bi-annual band tours throughout the United States and abroad. Students enrolled in concert band will be exempt from PE class first semester because of marching requirements. Fee is \$25 per semester.

SYMPHONIC BAND (102203) & SYMPHONIC BAND H (102204)

1 Credit (Wt. - 4.0/4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: audition

The major activities are the rehearsal and performance of more serious music and compositional forms. Membership in this group is open to freshmen through seniors who have successfully met the audition requirements through their performance during their previous years of band experience, and approval of the instructor. From August through October, this group combines with members of the concert band to form the BHS Bronco Marching Band. The Bronco Marching Band performs at all the BHS home football games and local parades, as a co-curricular course requirement. Additionally, concert band students will have the opportunity to elect to travel with the band on bi-annual band tours throughout the United States and abroad. Students enrolled in concert band will be exempt from PE class first semester because of marching

COURSE CATALOG 2025-2026

requirements. Fee is \$25 per semester.

VARSITY ORCHESTRA (102313)

1 Credit (Wt. - 4.0)

Open to 9th

Students playing violin, viola, cello, bass, or harp will develop foundational skills for playing in high school orchestra. Students will perform 3-4 evening concerts each year that are required for participation. Ninth grade students may also participate in the ILMEA Honors Orchestra, solo/ensemble festival, Fine Arts Musical Pit Orchestra, and performances in the community. All incoming 9th graders are enrolled in the Varsity Orchestra unless they successfully audition into the chamber orchestra. Fee is \$25 per semester.

STRING ORCHESTRA (102303) & STRING ORCHESTRA H (102304)

1 Credit (Wt. - 4.0/ 4.5)

Open to 10th, 11th, and 12th

Prerequisite: consent of instructor

The String Orchestra is open to any student, grade 10-12, who has experience playing a stringed instrument. The focus of this ensemble is to develop and refine students' musical experiences and technique through performance of music written for string orchestra. While focusing on traditional orchestra music, it is the intent of this class to expose students to a wide variety of music from the past and present and from many cultures. The String Orchestra performs several evening concerts each year that are required for participation. In addition to regular performances at BHS, performance opportunities include ILMEA Honors orchestra, solo/the community. Fee is \$25 per semester.

CHAMBER ORCHESTRA (102403) & CHAMBER ORCHESTRA H (102404)

1 Credit (Wt. - 4.0/4.5)

Open to 9th, 10th, 11th, and 12th (Chamber Orchestra H is not available to freshmen)

Prerequisite: audition

The Chamber Orchestra is open to students who play a stringed instrument and have

successfully auditioned into the orchestra. Wind and percussion students wishing to perform with the orchestra must be enrolled in the band and are placed in the orchestra as needed by audition. The focus of this ensemble is to develop and refine students' musical experiences and technique through performance of masterworks written for string and symphonic orchestra. While focusing on traditional orchestra music, it is the intent of this class to expose students to a wide variety of music from the past and present and from many cultures. Once per week the orchestra is joined by select members of the Symphonic Band for a full orchestra rehearsal. The Chamber Orchestra performs several evening concerts each year that are required for participation. In addition to regular performances at BHS, performance opportunities include ILMEA Honors orchestra, solo/ensemble festival, Fine Arts Musical Pit Orchestra, and performances in the community. Fee is \$25 per semester.

JAZZ ENSEMBLE (102703)

1 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: audition

Jazz Ensemble is a jazz big band which rehearses and performs all genres related to jazz music. There is a heavy emphasis on individual study resulting in a high degree of skill. This class is open to Freshman through Senior students, but is primarily Freshman and Sophomores. Transcriptions and live performance attendance is required each semester. Jazz Ensemble performances include local concerts as well as jazz festivals. Participation is by audition in the previous spring. Co-curricular performances are a mandatory requirement of this class. Fee is \$25 per year.

RHYTHM MACHINE HONORS (102504)

1 Credit (Wt. - 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: audition

"Rhythm" Machine is a jazz big band which rehearses and performs all genres of jazz as music, including swing, Latin, rock, funk, contemporary, and

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

many other styles. This class is open to Freshman through Senior students, but is primarily junior/senior. There is a significant emphasis on individual study resulting in quite a high degree of skill. Transcriptions and live performance attendance is required each semester. Performances include local concerts as well as jazz festivals, contests and state and national conventions. Participation is by audition in the previous spring. Group co-curricular performances and events are mandatory. Fee is \$25 per semester.

GRACE NOTES CHOIR (103113)

1 Credit (Wt. - 4.0)

Open to 9th

Freshman Grace Notes Choir is a beginning class for students interested in learning how to sing, read music, and become part of the BHS choral program. Students in this ensemble sing in the soprano and alto registers. Fundamental singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts are mandatory. Fee is \$15 per year.

CHORALIERS CHOIR (103513) & CHORALIERS CHOIR H (103514)

1 Credit (Wt. - 4.0/4.5)

Open to 9th, 10th, 11th, and 12th (Choraliers H is not available to Freshmen)

Choraliers Choir is a class for students who sing in the tenor and bass registers. Fundamental singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts are mandatory. Fee is \$15 per year.

INTERMEZZO CHOIR (103223) & INTERMEZZO CHOIR H (103224)

1 Credit (Wt. - 4.0/4.5)

Open to 10th, 11th, and 12th

Intermezzo Choir is an intermediate ensemble for students interested in developing advanced choir skills and deepening their understanding of singing and reading music. Intermediate singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts is mandatory. Fee is \$15 per year.

CHAMBER CHOIR (103403) & CHAMBER CHOIR H (103404)

1 Credit (Wt. - 4.0/4.5)

Open to 10th, 11th, and 12th

Prerequisite: audition and at least one year of BHS Choir

Chamber Choir is an advanced mixed ensemble including soprano, alto, tenor, and bass registers. Placement in this ensemble is by audition. Advanced singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts are mandatory. Fee is \$15 per year.

BELLA VOCE (103313) & BELLA VOCE H (103314)

1 Credit (Wt. - 4.0/4.5)

Open to 10th, 11th, and 12th

Prerequisite: audition and at least one year of choir.

Bella Voce is an advanced treble ensemble. Placement in this ensemble is by audition. Advanced singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts are mandatory. Fee is \$15 per year.

COURSE CATALOG 2025-2026

ELECTRONIC MUSIC COMPOSITION (102803)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

This course will give students experience creating music of their own, from movie trailer soundtracks to commercial jingles, from pop tunes to classical music. While no previous musical experience is necessary, students will be introduced to musical notation and basic principles of melody, harmony and rhythm. The focus is individual personal expression through the process of music composition.

MUSIC APPRECIATION (102113)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

This class is intended for the student who is interested in learning about all types of music and will include music reading, creative listening, composition, and use of current music technology. Students would not need to be musicians to enroll in this course. Fee is \$15 per semester.

INTRO TO MUSIC THEORY (1020031)

1/2 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

Students who are curious about how music works, and why it sounds the way it does should take this class. The purpose of this class is to learn how to read, write, and understand written music. The emphasis will be on musical notation and beginning composition. This will include writing down music that you hear, arranging music for a different instrument, and writing original songs. Students who are interested in improving their notereading skills should take this class. Students who may consider taking AP Music Theory will find this class very helpful. While the emphasis will be on music technology and computer-based music notation, traditional music manuscript will also be used. This is a one-semester class

AP MUSIC THEORY (102005)

1 Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

Prerequisite: at least 2 years of high school performing ensemble (band, choir, orchestra, jazz) or another BHS music class.

The AP Music Theory course corresponds to one or two semesters of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Students will learn about musical concepts and terminology by listening to and experiencing a wide variety of music. Students should be able to read and write musical notation, and it is strongly recommended that the student has acquired at least basic performance skills in voice or on an instrument. This course is highly recommended for students planning to pursue music study in college.

LIFE SKILLS

FRESHMEN B FIT (901109)

1/4 credit

Open to 9th

The B Fit curriculum will be designed to provide students the opportunity to personalize their workout each day. Students will be expected to address the 5 components of physical fitness, learn and apply healthy habits as well as have the opportunity for collaboration through game play and team sports. The B Fit curriculum will address all dimensions of wellness. Completion of these courses will provide students the necessary tools to understand the importance of physical activity as it pertains to our overall well being physically, emotionally and socially. A fee of \$8.00 per semester will be required. Freshmen students will also be exposed to several lessons centered on improving student emotional fitness and overall mental health through our SPARK (Success, Purpose, Accountability, Resilience and Kindness).

PHYSICAL EDUCATION B FIT (904113)

1/4 credit

Open to 10th, 11th, and 12th

The B Fit curriculum will be designed to provide students the opportunity to personalize their workout each day. Students will be expected to address the 5 components of physical fitness, learn and apply healthy habits as well as have the opportunity for collaboration through game play and team sports. The B Fit curriculum will address all dimensions of wellness. Completion of these courses will provide students the necessary tools to understand the importance of physical activity as it pertains to our overall well being physically, emotionally and socially. A fee of \$8.00 per semester will be required.

HEALTH EDUCATION (902103)

1/2 Credit (Wt. - 4.0)

Open to 10th

Health Education is a state-mandated one semester course. Course content will include: Body Systems and Prevalent Diseases, First Aid, Mental Health, Nutrition, Coping with Loss (Life/Death Education), Human Sexuality, ATODs (Alcohol, Tobacco and Other Drugs), and environmental health.

JUNIOR LEADERS H (903104)

1/2 Credit (Wt. - 4.5)

Open to 11th

Prerequisite: student application and department recommendation

This is a year long honors level course for juniors in physical education. Students will spend the year in training developing leadership skills. Students learn how to handle challenges, identify their strengths and weaknesses, and bring out their potential as people of influence. During 2nd semester, junior leaders will also shadow senior leaders teaching in the P.E. classes to prepare them for the Senior Leadership course where they will be actually involved in a teaching practicum. Significant time is spent preparing them for the tasks that being a senior leader require.

SENIOR LEADERS H (904104)

1/2 Credit (Wt. - 4.5)

Open to 12th

Prerequisite: Junior Leadership (903104) and department recommendation

This is a year long honors course for seniors. This course is designed to be a practicum experience in teaching. Students will assist instructors with warm-ups, officiating, executing proper safety procedures, problem solving activities and skill development. The skills and knowledge base acquired in the Junior Leadership course will be applied. This course should give the student a practical application from the teaching perspective.

COURSE CATALOG 2025-2026

ADVENTURE P.E. (904109)

1/4 Credit

Open to 10th, 11th, and 12th

Adventure PE is offered as a semester course for students interested in a unique Physical Education experience that is both physically and mentally challenging. Techniques are taught in class to prepare and expose students to think critically and work collectively with others through challenging activities not found in a traditional PE class. These activities and challenges are built on a foundation of trust and safety to enable students to feel comfortable outside their comfort zone and excited to try new things. Students will learn climbing techniques including: climb our rock climbing wall, repel platforms, and three high ropes courses. Field trips may include rock climbing, outdoor high ropes and river canoeing. Students are allowed to take this class one time during their high school experience. A \$75 field trip fee per semester is required.

DANCE I AND MOVEMENT STUDIES (901209)

1/4 credit

Open to 10th, 11th, and 12th

No prior dance experience is necessary to enroll. This co-ed course is designed for students who want an introduction to dance that will give them the opportunity to experience a wide variety of genres. Students will be trained in the basics of ballet, modern and jazz dance. Emphasis will be placed on proper alignment to ensure efficient and anatomically correct movement. Students will also experience established movement and fitness trends such as Pilates and yoga/meditation/mindfulness, along with guest artist experiences appropriate to their level. Understanding of how dance will benefit each student's personal health and well-being will be emphasized, along with their relationship to an individual's everyday life. Students will also be trained in CPR through the American Heart Association. This course will fulfill a Physical Education requirement and may be repeated for Physical Education credit.

DANCE II AND MOVEMENT STUDIES(903209)

1/4 Credit

Open to 11th and 12th or instructor approval

No prior dance experience is necessary to enroll. This semester-long co-ed course introduces students to elements of choreography, performance, composition, anatomy, movement studies (yoga/meditation, Pilates, wellness and mindfulness themes), guest artist experiences, dance history and criticism. This course emphasizes increased flexibility, concentration, coordination and musicality through the study of ballet, modern, jazz and other dance forms. A variety of performance and creative assessments are required. The general student population, as well as athletes, actors, and musicians, are encouraged to enroll. This course will fulfill a Physical Education requirement and may be repeated for Physical Education credit.

DANCE III AND MOVEMENT STUDIES (904209)

1/4 Credit

Open to 11th and 12th

This semester-long co-ed course is designed for students who have completed Dance I and Dance II or instructor approval. Students are guided and challenged to develop greater proficiency regarding elements of choreography, performance, composition, anatomy, movement studies (yoga/meditation, Pilates, wellness and mindfulness themes), guest artist experiences, dance history and analysis. This course emphasizes increased flexibility, concentration, coordination and musicality through the study of ballet, modern, jazz and other dance forms. A variety of performance and creative assessments are required. The general student population, as well as athletes, actors, and musicians, are encouraged to enroll. This course will fulfill a Physical Education requirement and may be repeated for Physical Education credit.

DANCE IV AND CHOREOGRAPHY

PERFORMANCE(905209)

1/4 Credit

Open to 11th & 12th , audition only/instructor approval

Orchesis members are encouraged to enroll in this co-ed class and are placed by audition-only. This semester-long course is a highly challenging culmination of all facets of the art form. Students are guided and challenged to develop greater proficiency regarding elements of choreography, performance, composition, anatomy, movement studies (yoga/meditation, Pilates, wellness and mindfulness themes), guest artist experiences, dance history and analysis at an accelerated pace. This course emphasizes increased flexibility, concentration, coordination and musicality through the study of ballet, modern, jazz and other dance forms. A variety of performance and creative assessments are required. This course will fulfill a Physical Education requirement and may be repeated for Physical Education credit.

DRIVER EDUCATION (902209)

1/4 Credit

Open to 9th, 10th, 11th, 12th

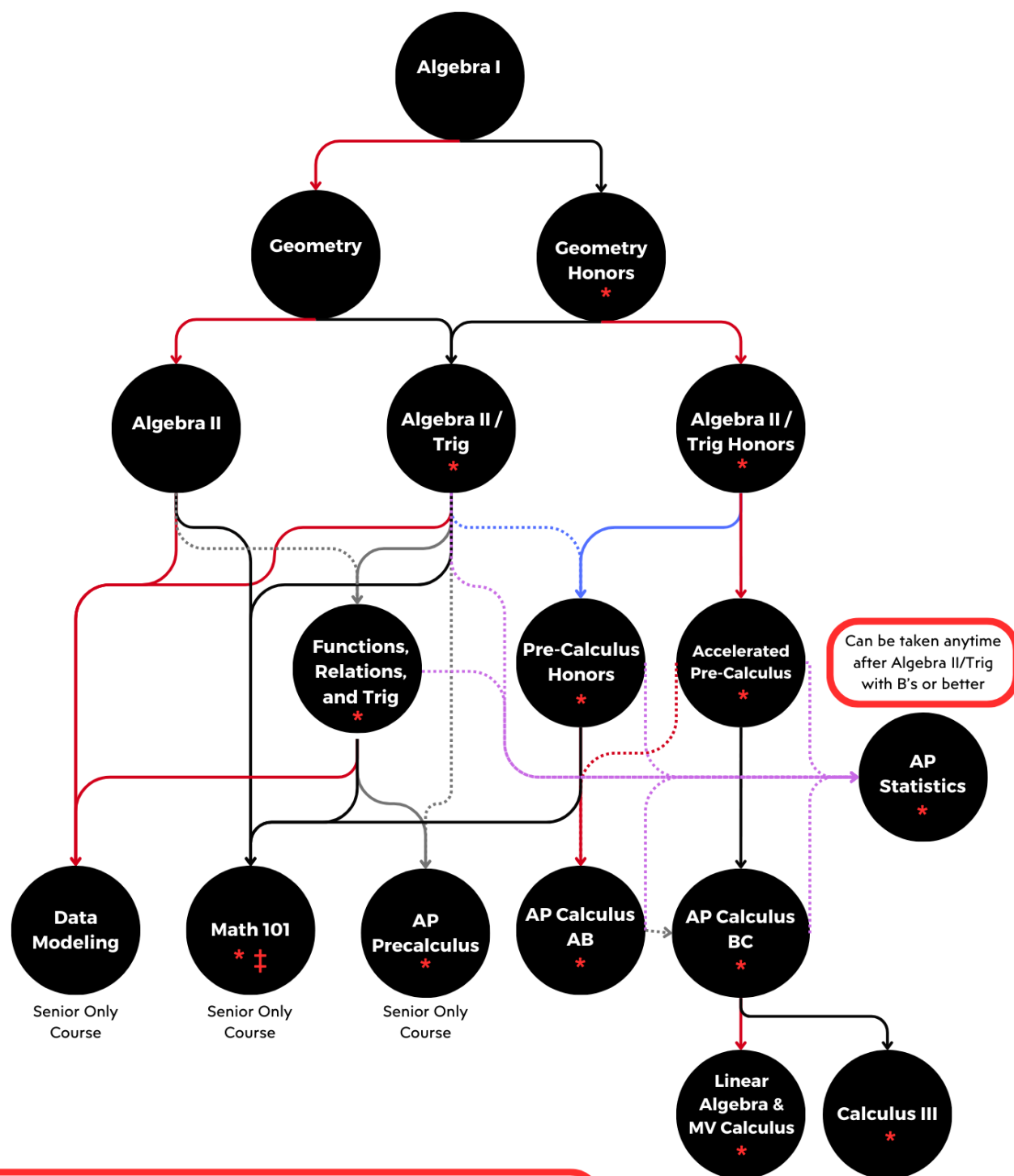
Thirty clock hours of classroom instruction, six clock hours of behind the wheel instruction and fifty hours of parental supervised driving are required by state law. Students may sign up for Driver Education at the age of 15 and are enrolled in the course on an age priority basis. This course takes place during the regular school day. A \$350 driving fee is required. Paying the fee does not guarantee placement in the class.

MATH



BARRINGTON
HIGH SCHOOL

Mathematics Course Flowchart



Key: *: prerequisite needed; see course description for details
‡: Dual Credit course

COURSE CATALOG 2025-2026

ALGEBRA I (601223)

1 Math Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: Passed 8th Grade Math

A full year course covering linear, exponential, and quadratic functions. Additional topics will include systems of equations, functions, graphing the number line and coordinate plane, and various application problems. Students will work collaboratively to make sense of problems and persevere in solving them. Students are recommended to bring a TI-84 or similar graphing calculator to class on a daily basis.

ALGEBRA II (603113)

1 Math Credit (Wt. - 4.0)

Open to 11th and 12th

Prerequisite: Passed Algebra I & Geometry

The purpose of this course is to extend students' understanding of functions and the real numbers, and to increase the tools students have for modeling the real world. They extend their notion of number to include complex numbers and see how the introduction of this set of numbers yields the solutions of polynomial equations and the Fundamental Theorem of Algebra. Students deepen their understanding of the concept of function, and apply equation-solving and function concepts to many different types of functions. The system of polynomial functions, analogous to the integers, is extended to the field of rational functions, which is analogous to the rational numbers. Students explore the relationship between exponential functions and their inverses, the logarithmic functions. Students are recommended to bring a TI-84 or similar graphing calculator to class on a daily basis.

ALGEBRA II/TRIG (603213)

1 Math Credit (Wt. - 4.0)

Open to 10th, 11th, and 12th

Prerequisite: Passed Algebra 1 and Geometry

Indicators for Success: Grades of B- or higher in Algebra I and Geometry, teacher recommendation

The purpose of this course is to extend students' understanding of functions and the real

numbers, and to increase the tools students have for modeling the real world. They extend their notion of number to include complex numbers and see how the introduction of this set of numbers yields the solutions of polynomial equations and the Fundamental Theorem of Algebra. Students deepen their understanding of the concept of function, and apply equation-solving and function concepts to many different types of functions. The system of polynomial functions, analogous to the integers, is extended to the field of rational functions, which is analogous to the rational numbers. Students explore the relationship between exponential functions and their inverses, the logarithmic functions.

Trigonometric functions are extended to all real numbers, and their graphs and properties are studied. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

ALGEBRA II/TRIG HONORS (603214)

1 Math Credit (Wt. - 4.5)

Open to 9th, 10th, and 11th

Prerequisite: Passed Algebra I and Geometry

Indicators for Success: Strong performance in Algebra I (A's) and Geometry Honors

This course includes the study of relations, algebraic manipulations, and the following function families: polynomial, rational, exponential, logarithmic, and trigonometric (their inverses and graphs, solution of right and oblique triangles, trigonometric identities and equations). Students are required to bring a TI-84 graphing calculator to class on a daily basis.

GEOMETRY (602213)

1 Math Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: Successful Completion of Algebra I

Indicators for Success: For incoming Freshmen, B- or better in 8th Grade Algebra 1 recommended

This course is designed to give students the skills needed to develop and promote the ability to think in multiple dimensions geometrically. This type of thinking will allow students to become better problem solvers as it enhances their ability to model

COURSE CATALOG 2025-2026

situations with diagrams, reason logically, and solve problems using mathematics. The content of the course is an integration of geometry concepts, modeling, algebraic functions and solving, and using logical thinking skills to prove and justify conjectures and conclusions. Algebraic competency is expected. In addition, the ability to apply arithmetic and algebraic skills to geometric problems will be emphasized. Some topics from probability & statistics will also be introduced. Students are recommended to bring a TI-84 graphing calculator to class on a daily basis.

GEOMETRY HONORS (602214)

1 Math Credit (Wt. - 4.5)

Open to 9th and 10th

Prerequisite: Algebra 1

Indicators for Success: Strong Performance in Algebra I, Strong Standardized Test Scores & teacher recommendation

This is a rigorous approach to Euclidean geometry, emphasizing the logical structure of geometry, proofs and critical thinking. Multi-step problem solving is woven throughout the course. Excellence in the quality of work is expected. Algebraic aspects of coordinate geometry are included. Students are required to bring a handheld calculator to class on a daily basis. Future classes may require a handheld graphing calculator. [AP Exam Calculator Policy](#)

FUNCTIONS, RELATIONS, AND TRIG (604133)

1 Math Credit (Wt. - 4.0)

Open to 11th and 12th

Prerequisite: Passed Algebra II or Algebra II/Trig

Indicators for Success: Strong interest in taking a Precalculus or College Algebra course in the future

This course will address the topics of polynomial functions, exponential functions, logarithmic functions, radical functions, rational functions, relations (circles, ellipses, parabolas, & hyperbolas), and the 6 trigonometric functions. Some topics from probability will also be introduced. Students will engage with each of these topics through graphing, solving, and modeling. Completion

of an Algebra 2 course is a prerequisite for this course as this course addresses (+) standards from the Common Core State Standards. Students are required to bring a TI-84 or similar graphing calculator to class on a daily basis.

PRE-CALCULUS HONORS (604304) 1 Math

Credit (Wt. - 4.5)

Open to 11th and 12th

Prerequisite: Algebra II/Trig Honors or Algebra II/Trig

Indicators for Success: Successful completion of Honors Algebra II/Trig or Grades of A in Algebra II/Trig and teacher recommendation

This course is strongly recommended as a prerequisite for AP Calculus AB. Students registering for this course should have an excellent command of skills and concepts of Algebra II-A and Trigonometry A with little need for review. This rigorous, honors level course, is intended for students that can handle a fast-paced and in-depth approach to mathematics. This course is intended to prepare students who wish to take AP Calculus AB the following year. Topics include functions and their graphs (sets, linear, absolute value, greatest integer, quadratic, trigonometric, polynomial, rational, exponential, and logarithmic), inverses and other relationships, mathematical modeling (data analysis), polynomials (operations, composition, and factoring), conic sections, review and extension of trigonometry, advanced algebra topics, and the concept of limits is introduced. Students are required to bring a TI-84, TI-Nspire or similar graphing calculator to class on a daily basis.

ACCELERATED PRE-CALCULUS (604315) 1

Math Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

Prerequisite: Algebra II/Trig Honors

Indicators for Success: Strong performance in Geometry Honors & Algebra II/Trig Honors, and teacher recommendation

Students registering for this course should have an excellent command of the skills and concepts of Algebra II/Trigonometry with little need

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

for review. Topics will include conics, rational functions, higher degree polynomials, trigonometry, exponents and logarithms, and advanced graphing techniques. This course begins the sequence of study for the Advanced Placement Examination by introducing beginning Calculus topics. Students will complete their preparation for the Advanced Placement BC Calculus Examination by taking AP Calculus BC the following year. Students are required to bring a TI-84 or TI-Nspire graphing calculator to class on a daily basis.

DATA MODELING (604123)

1 Math Credit (Wt. - 4.0)

Open to 12th

Prerequisite: 3 credits of high school mathematics completed and 300 on SAT Math

The amount of data available and impacting our world continues to grow at an accelerating pace. This course explores how mathematics can be used to describe and analyze data in contextual situations and introduces ideas from statistics. Students will further develop their quantitative literacy skills. Successful completion of this course will allow students to enroll in credit-bearing college mathematics courses at certain Illinois colleges and universities. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

MATH 101 (604725)

1 Math Credit (Wt. - 5.0)

Open to 12th

Prerequisite: SAT Math score of 530 or ACT Math score of 22 or a score of 46 on the Harper ALEKS placement test

Quantitative Literacy develops conceptual understanding, problem solving, decision-making and analytic skills dealing with quantities and their magnitudes and interrelationships, using calculators and personal computers as tools. Includes: computing statistical measures such as central tendency and dispersion; computing correlation coefficients and regression equations; using normal distributions to test hypotheses; using logical statements and arguments in a real-world context;

solving systems of equations and inequalities and modeling data; solving mathematical finance problems; and selecting and using appropriate approaches and tools in formulating and solving real-world problems. Upon successful completion of this course, students will receive 3 hours of Harper transcribed MTH 101 credit.

LINEAR ALGEBRA/ MULTIVARIABLE CALCULUS (6045251/6045252)

1 Math Credit (Weight - 5.0)

Open to 12th

Prerequisite: Completion of AP Calculus BC

Students will study the major concepts from multivariable calculus and linear algebra. The intention is to give students a strong grounding in higher-level mathematics courses that they may take in their future college studies. Students will be able to select future college mathematics courses with more understanding about content and applications. Students are required to bring a graphing calculator.

CALCULUS III (604535)

1 Math Credit (Wt. - 5.0)

Open to 12th

Prerequisite: Must earn a 4 or 5 on the AP Calc BC Exam

This course is equivalent to a third course in calculus and analytic geometry including: vector analysis, Euclidean space, partial differentiation, multiple integrals, line and surface integrals, and the integral theorems of vector calculus. This is a self-directed, computer-aided, independent study course where students will receive personal help from online college professors. Students that successfully complete this course, including passing the mandatory exams, will receive 4 credits from the University of Illinois. More info: <https://netmath.illinois.edu/college/math-241>. The course fee is \$399.00

AP PRECALCULUS (604325)

1 Math Credit (Wt. - 5.0)

Open to 12th

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

Prerequisite: Passed Algebra II/Trig or Functions, Relations, and Trigonometry

Indicators for Success: B's or better in FRAT or A's in Algebra II/Trig

During this course, students acquire and apply mathematical tools in real-world modeling situations in preparation for using these tools in college-level calculus. Modeling, a central instructional theme for the course, helps students come to a deeper understanding of each function type. By examining scenarios, conditions, and data sets, as well as determining and validating an appropriate function model, students develop greater comprehension of the nature and behavior of the function itself. The formal study of a function type through multiple representations (e.g., graphical, numerical, verbal, analytical), coupled with the application of the function type to a variety of contexts, provides students with a rich study of precalculus. AP Precalculus is targeted as a senior capstone course where successful completion can result in students being ready for a Calculus course at the college level. [AP Exam Calculator Policy](#)

[AP STATISTICS](#) (604305)

1 Math Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Algebra II/Trig or higher course

Indicators for Success: Grades of B or better in prerequisite courses

This course will emphasize exploring data, planning a study, anticipating patterns, and statistical inference. The focus of the course is to interpret data and draw conclusions from the data. This is a hands on course rather than a theory course. The syllabus suggested by Advanced Placement will be followed. Students completing this course are expected to take the Advanced Placement Statistics Exam. Students are required to bring a TI-84 graphing calculator to class on a daily basis. [AP Exam Calculator Policy](#)

[AP CALCULUS AB](#) (604405)

1 Math Credit (Wt. - 5.0)

Open to 12th

Prerequisite: Any Precalculus course

Indicators for Success: Strong Performance (B- or better) in Pre-Calculus Honors or completed Accelerated Pre-Calculus

This is a college level mathematics course for students with a strong background in prior math courses. It includes the study of limits, differential and integral calculus with applications. AP Calculus AB is designed to be the equivalent of a first semester college calculus course devoted to topics in differential and integral calculus. It is designed to prepare students for the AP Calculus AB exam. The first semester of this course includes some of the curriculum from second semester Accelerated Pre-Calculus Honors. Students who successfully complete this course are expected to take the Advanced Placement AB Calculus exam in order to earn college credit. Students are required to bring a TI-84, TI-Nspire, or similar graphing calculator to class on a daily basis. [AP Exam Calculator Policy](#)

[AP CALCULUS BC](#) (604415) 1 Math Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Strong Performance (B- or better) in Accelerated Pre-Calculus

This two semester course continues the study of Calculus that began in Accelerated Pre-Calculus. AP Calculus BC is designed to be the equivalent to both first and second semester college calculus courses. AP Calculus BC applies the content and skills of differential and integral calculus to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series.. Students are required to bring a TI-84 or TI-Nspire CX CAS graphing calculator to class on a daily basis. Students who successfully complete this course are expected to take the Advanced Placement BC Calculus exam in order to earn college credit.

[AP Exam Calculator Policy](#)

SCIENCE



BARRINGTON
HIGH SCHOOL

Science Flowchart

9th Grade

Biology

10th Grade

Chemistry

**Chemistry
Honors**

11th and 12th Grade

**Earth &
Space
Science
GL/Honors**

Physics

**Intro to
Horticulture**

**Intro to
Anatomy,
Physiology
& Disease**
‡

**College
Chemistry**
‡ *

**AP
Chemistry**
*

AP Biology
*

**Horticulture
I Accl**
‡ *

**Environ.
Science
Accl**
‡

AP Physics 1

AP Physics 2
*

AP Physics C
*

**Horticulture
II**
‡ *

**AP
Environ.**

GL: grade level

Key: *: prerequisite needed; see course description for details

‡: Dual Credit course

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

BIOLOGY (801203)

1 Science Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

This is an introductory course which introduces the student to the major concepts in biology. Ecology, cell biology, heredity, evolution, diversity of plants and animals, animal behavior and human values in science are the major concepts examined. The course uses laboratory investigations, discussions, lectures, reading, special assignments and homework, both on the individual and cooperative levels, as ways to learn these concepts.

HUMAN BIOLOGY HONORS (804404)

1 Science Credit (Wt. - 4.5)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of Chemistry.

Honors Human Biology is a year-long science course for students interested in learning about the anatomy and physiology of the human body. Students in this course are interested in pursuing health-related careers and this is potentially their first experience with the content needed for success in these fields. The course emphasizes how the body demonstrates complementarity, interconnectedness and maintains homeostasis within the 11 different body systems. Students are expected to learn through laboratory investigations, class discussion, individual projects, and reading assignments. Dissection is part of this elective course and those students not wishing to participate in dissection should refrain from enrolling in this elective course.

AP BIOLOGY (804405)

2 Science Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Successful completion of Chemistry Honors.

The two period course covers topics similar to those presented in a first year college biology course. The first semester concentrates on such molecular topics as organic chemistry, biochemistry, cell structure and function, molecular transport processes, enzymes, bioenergetics and heredity. The

second semester concentrates on methods of scientific investigation in the context of such topics as molecular genetics, biotechnology, evolution and ecological principles. The course is recommended for those with an interest in biology and/or planning further study in biology and related health sciences. Sophomores enrolled in the District's Extended Science Program may take this course with department head approval. Dissection is part of this elective course.

CHEMISTRY (802203)

1 Science Credit (Wt. - 4.0)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of 1 year of high school science and one year of math with strong Algebra skills.

This course is designed to help students realize the important roles that chemistry plays in their personal lives, use chemistry knowledge to think through and make informed decisions about issues involving science and technology, and develop a lifelong awareness of the potential and limitations of science and technology. Areas of study include atomic theory, periodicity, bonding, nomenclature, the mole concept, balancing equations, acids and bases, redox, organic chemistry, descriptive chemistry along with associated lab activities.

CHEMISTRY HONORS (802204)

1 Science Credit (Wt. - 4.5)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of an honors-level math course.

This honors level course provides the basics of chemistry and is recommended for any student who is planning to enter science or a science related field. Using an experimental approach, students will learn to interpret laboratory data and arrive at logical conclusions. During the first semester, a sequential foundation is presented that will be used for the remainder of the course. Topics include the nature and properties of matter, atomic theory, the

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

mole concept, and chemical periodicity. During the second semester, these principles are applied to energy, bonding, and the characteristics of chemical reactions. An examination of qualitative chemistry is also included. Freshmen enrolled in the District's Extended Science Program may take this course with department head approval.

AP CHEMISTRY (802205)

2 Science Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

Prerequisite: Successful completion of Chemistry Honors.

The content of this two-period course is based on the syllabus suggested by the committee of the Advanced Placement Program. The course content includes structures of solids, states of matter, reactions and descriptive chemistry, including organic chemistry and chemical calculations. Much of this course is devoted to laboratory exercises. This experience familiarizes the student with lab techniques as well as discovery of chemical properties. This course is recommended for students continuing in a science-related field.

COLLEGE CHEMISTRY (802215)

1 Science Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Successful completion of Geometry (C or better in two semesters) and [placement into college-level math](#)

This course introduces concepts of chemistry. It emphasizes the composition of matter, the periodic table, the chemistry of solutions, and chemical calculations. The laboratory experiments utilize many common household materials to demonstrate applications of chemical concepts. This course will result in 4 college credits for CHEM110 at Harper College.

PHYSICS (803203)

1 Science Credit (Wt. - 4.0)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of 1 year of high school

science and one year of high school math with strong Algebra skills.

Physics is a basic natural science that attempts to describe, and provide an understanding of our universe. This course introduces the liberal arts student to the concepts and principles of physics through experimentation, demonstrations, and problem solving. The first semester topics include: energy, waves, sound, light, electromagnetism, and electrostatics. The second semester topics include: work and power, momentum, motion, Newton's laws of forces, circular motion and gravitation, and Kepler's laws.

AP PHYSICS 1: ALGEBRA-BASED (803505)

1 Science Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of Algebra II/Trig and Chemistry Honors.

This one-period course is the equivalent of a first-semester college course in algebra-based physics, but designed to be taught over a full academic year to enable AP students to develop a deep understanding of the content and to focus on applying their knowledge through inquiry labs. The full year also allows time for inclusion of physics content specified by state standards. The course covers Newtonian mechanics (including rational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It also introduces electric circuits. An essential component of the course is the inclusion of science practices that will allow students to develop and apply their physics knowledge through scientific inquiry and reasoning.

AP PHYSICS 2: ALGEBRA-BASED (803515)

1 Science Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisites: AP Physics-1

This course is the equivalent of a second-semester college course in algebra-based physics, but designed to be taught over a full academic year to enable AP students to develop a

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

deep understanding of the content and to focus on applying their knowledge through inquiry labs. The full year also allows time for inclusion of physics content specified by state standards. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. An essential component of the course is the inclusion of science practices that will allow students to develop and apply their physics knowledge through scientific inquiry and reasoning.

AP PHYSICS - C (804515)

2 Science Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Successful completion or concurrent enrollment in AP Calculus BC or Department Chair approval.

This two-period course is comparable to any first year college physics course. A thorough study of mechanics and electromagnetic phenomenon is undertaken following a review of basic principles. Most concepts are studied through experimentation and demonstration. AP Physics-C will meet 2 consecutive class periods per day. It is highly recommended for students intending to pursue a career in engineering or a physics-related field. Students who enroll in this full-year course will be prepared to take both the AP Physics C Mechanics and the AP Physics C Electricity and Magnetism exams in May.

ENVIRONMENTAL SCIENCE ACCL (804325)

1 Science Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of Chemistry.

Environmental Science examines the delicate interrelationships comprising our natural world. Using interdisciplinary models drawn from ecology, biology, geology, geography and earth science, this course will introduce students to the scientific principles, concepts and methodologies used to identify and analyze environmental issues. Students will be asked to work cooperatively and collaboratively to pose thoughtful solutions to

potential problems. Students will use the problem based format, case studies, class discussion, and research to critically think about the world we live in. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcribed credit for BIO103.

AP ENVIRONMENTAL SCIENCE (804525)

1 Science Credit (Wt. - 5.0)

Open to 11th and 12th

An indicator of success in this course is the successful completion of Chemistry H.

The goal of AP Environmental Science course is to provide students with an understanding of scientific principles and methodologies required to understand interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing these problems. In addition to the level and the pace, this course will differ from Environmental Science with the inclusion of a lab/field component of the course. This course is ideal for students who are interested in a majoring in environmental science in college.

ADVANCED EARTH & SPACE SCIENCE (803603) & ADVANCED EARTH & SPACE SCIENCE H (803604)

1 Science Credit (Wt. - 4.0/4.5)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of one year of science.

This course is an all encompassing course that would include topics about the Earth and its place in the universe. Students will use an investigative approach to discover the processes regarding the formation, evolution, and workings of the Earth, the solar system and the universe. Analytical skills will be used to explore the history of the Earth and the processes that continue to shape the planet today. This course will also examine the interdependencies between humans and the earth systems, allowing them to apply this knowledge to solve industrial and societal problems. Students will

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

be expected to demonstrate proficiency in developing and interpreting data, using mathematical and computational thinking, constructing detailed explanations, engaging in arguments, developing models and designing solutions.

INTRODUCTION TO HORTICULTURE (804203)

1 Science Credit (Wt. - 4.0)

Open to 11th and 12th

This course introduces students to basic plant terminology, structure, function, and taxonomy. Students will explore careers that work with the culture and use of plants and applications of plant science. Students will also be introduced to the science and function of native and artificial soils in relation to plant growth and development. The course fee is \$30 per semester.

HORTICULTURE SCIENCE I ACCL (804205)

1 Science Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisites: 490 on SAT Math OR 17 on ACT Math AND 470 on SAT EBRW OR 17 on ACT Reading and English OR 3.0 GPA for 3 consecutive semesters

This course introduces students to basic plant taxonomy, terminology, anatomy, physiology and the functions/responses of plants. Students will also be introduced to the science and function of native and artificial soils in relation to plant growth and development. Topics on soil texture, formation, physical characteristics, nutrient content and availability, water movement, taxonomy and biota interactions are covered. Students will have an opportunity to earn a career certification in this course. Upon successful completion of this course, students will receive 3 hours of transcribed college credit for HRT121 and 4 hours of transcribed college credit HRT124 from the College of Lake County. The course fee is \$30 per semester.

HORTICULTURE SCIENCE II (804225)

1 Science Credit (Wt. - 5.0)

Open to 12th

Prerequisite: Horticulture I and 490 on SAT Math OR 17 on ACT Math AND 470 on SAT EBRW OR 17 on ACT Reading and English OR 3.0 GPA for 3 consecutive semesters

This course builds on Horticulture I and goes into depth on plant identification, care and maintenance of over 600+ herbaceous plants used in horticultural production and management. It focuses on sustainable landscape design and management of planting, soil care/preparation, pruning, general turf care and pest identification and control. Students will gain an understanding of how sustainable approaches work, what is involved to design and build them, how to assess construction materials and costs, and operation of basic maintenance equipment. Upon successful completion of this course, students will receive 3 hours of transcribed college credit for HRT127 and 3 hours of transcribed college credit HRT162 from the College of Lake County. The course fee is \$30 per semester.

INTRO TO ANATOMY, PHYSIOLOGY AND DISEASE (804415)

1 Science Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

An indicator of success in this course is the successful completion of one year of science.

This dual credit course surveys the human body, with emphasis on basic physical and chemical concepts, anatomy, physiology, and embryology. Students will also study the nature of human disease with emphasis on the functional disturbances within the body systems. Knowledge of high school biology is assumed. This course was designed to meet the needs of students in certain allied health career programs. Dissection is a frequent and intensive component of the course, and students not wishing to participate in dissection should seriously consider whether this is the appropriate course for them. Upon successful completion of this course, students will earn 4 hours of transcribed college credit for BIO135 from Harper College.

COURSE CATALOG 2025-2026

SOCIAL STUDIES



BARRINGTON
HIGH SCHOOL

Social Studies Flowchart

9th Grade

AP Human
Geography

AP World

Global
Studies

10th Grade

AP US
History
*

US
History
*

11th and 12th Grade

AP US
Government
*

Civics
*

21st
Century
Issues
GL/Honors

AP
World
History

AP
Microecon.

AP
Macroecon.

Economics

AP
Psychology

Psychology

AP
African
American
Studies

AP
Comparative
Government

AP
European
History

Sociology
GL/Honors

Gender
Studies
GL/Honors

Living
Law
GL/Honors

Key:

GL: grade level

*: may be taken to fulfill a graduation requirement

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

GLOBAL STUDIES (701203)

1 Credit (Wt. - 4.0)

Open to 9th

Global Studies encompasses the study of World History from prehistory to the 21st Century, including economics, geography and government. This course will emphasize reading, writing and reasoning skills utilizing primary and secondary sources. It will also provide a stimulating environment in which students collaborate and conduct research for student-centered activities and projects. In addition, the course will provide background for further in-depth study in the social studies disciplines.

AP HUMAN GEOGRAPHY (702505)

1 Credit (Wt. - 5.0)

Open to 9th, 11th, and 12th

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The students will be prepared to take the Advanced Placement test in Human Geography. Students should be able to read the required college level text and write at an advanced placement level.

AP WORLD HISTORY (701105)

1 Credit (Wt. - 5.0)

Open to 9th, 11th, and 12th

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It

emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. This course will provide a stimulating educational environment in which students do extensive reading, writing and research. It is open to strongly motivated, serious students.

U.S. HISTORY (703203)

1 Credit (Wt. - 4.0)

Open to 10th and 11th

This one year course is intended to provide students with a survey of American History from colonization through contemporary America. Completion of both semesters of this course fulfills the graduation requirement in U.S. History.

AP U.S. HISTORY (703105)

1 Credit (Wt. - 5.0)

Open to 10th and 11th

This course is intended to provide students with a rigorous survey of American History from colonization through contemporary America with a focus on the themes and concepts that have defined our way of life. Students will study the constitution with a required test. Completion of both semesters of this course fulfills the one year requirement in U.S. History. Because students have the opportunity to take the Advanced Placement examination in May, this course will closely follow Advanced Placement Curriculum.

TWENTY-FIRST CENTURY ISSUES (702203) & TWENTY-FIRST CENTURY ISSUES H (702204)

1/2 Credit (Wt. - 4.0/4.5)

Open to 11th and 12th

This is a one semester course where students analyze current issues from a historical, political, economic and geographical perspective. Emphasis will be on the regions of Africa, Middle East, Asia and Latin America. The course is offered both semesters. Students may sign up for the first or second semester. May be taken for average or honors credit.

AP AFRICAN AMERICAN HISTORY (702515)

1 Credit (Wt. - 5.0)

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

Open to 11th and 12th

AP African American Studies is an interdisciplinary course that examines the diversity of African-American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Students in this course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills.

THE LIVING LAW (702403)

THE LIVING LAW H (702404)

1/2 Credit (Wt. - 4.0/4.5)

Open to 11th and 12th

Welcome to law school. Living Law is an introductory law course set up to understand law and its effects on our personal lives. Students will study our judicial system, crimes, criminal procedure, and the corrections system. Students will learn trial procedures and the steps in how to prepare for trial. Students will bring everything together with trial advocacy and a mock trial that will be conducted in class. Students may take this course for average or honors credit.

AP EUROPEAN HISTORY (704605)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

Advanced Placement European History is an elective course for those students who are motivated and capable of achieving success in a rigorous academic environment. The approach in the class is generally based on the seminar and the Socratic discussion. Students read extensively from standard college texts, as well as primary historical sources and documents. The principle means of evaluation is the history essay and quarterly portfolios. Interest in history, motivation to succeed, as well as strong reading and writing skills are the chief requirements for success. The goals are 1) to survey the development of European History and Western Civilization from approximately 1350 to Present; 2) to develop skills in critical thinking,

research, and expository essay writing; 3) to prepare for the AP exam, which is offered annually in May.

ECONOMICS (704503)

1/2 Credit (Wt. - 4.0)

Open to 11th and 12th

Economics includes consideration of the following topics: attempts to reconcile unlimited wants with limited resources, the factors of production, the roles of competition, business and government in society, supply and demand, study of the stock market, production, comparative economic systems, and the role of the consumer in the U.S. economy. This course lays a foundation in economic terminology and thought which gives students a good base for further study while providing a basic understanding for those not so inclined. This course satisfies the consumer education requirement.

AP MICROECONOMICS (704515)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

The study of AP Microeconomics requires students to understand that, in any economy, the existence of limited resources along with unlimited wants results in the need to make choices. The course begins by introducing the concepts of opportunity costs and trade-offs, and illustrates these concepts by using the production possibilities curve or other analytical examples. The course can then proceed to a consideration of how different types of economics determine which goods and services to produce, how to produce them, and to whom to distribute them. It is also important that students understand why and how specialization and exchange increase the total output of goods and services. Students need to be able to differentiate between absolute and comparative advantage, to identify comparative advantage from differences in opportunity costs, and to apply the concept of comparative advantage, in order to determine the basis under which mutually advantageous trade can take place between countries. Specific examples from actual economic situations can be used to illustrate and reinforce the principles involved. The

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

importance of property rights, the role of incentives in the functioning of free markets, and the principle of marginal analysis should be highlighted.

AP MACROECONOMICS (704525)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

The AP Macroeconomics course introduces students to fundamental economic concepts such as scarcity and opportunity costs. Students will understand the distinction between absolute and comparative advantage, and apply the principle of comparative advantage to determine the basis on which mutually advantageous trade can take place between individuals and/or countries, and to identify comparative advantage from differences in opportunity costs. Other basic concepts that are explored include the functions performed by an economic system, and the way the tools of supply and demand are used to analyze the workings of a free market economy. The course will also introduce the concept of the dynamics of unemployment, inflation, and economic growth. Coverage of these concepts provides students with the foundation for a thorough understanding of macroeconomic concepts and issues.

CIVICS (706003)

1/2 Credit (Wt. - 4.0)

Open to 11th and 12th

Through the activities in this course, students will develop stronger civic awareness and a more complete social understanding as they become contributing members in society. Students will study the structures of American government, discuss current and controversial issues, engage in government-related simulations, and participate in service learning. Content areas include the Constitution, service learning, voting, law making, and participation in a representative democracy. Students must successfully complete the U.S. Constitution Test as part of the Civics curriculum. This course satisfies the Illinois civics requirement of one semester of government.

AP U.S. GOVERNMENT & POLITICS (704315)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. Students must successfully complete the U.S. Constitution Test as part of the AP U.S. Government curriculum. In addition, they will complete political science research and engage in service learning activities. Completion of this one-semester course fulfills the Civics requirement at BHS.

AP COMPARATIVE GOVERNMENT & POLITICS (704325)

1/2 Credit (Wt. - 5.0)

Open to 11th and 12th

AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues. In addition, they will complete political science research and engage in service learning activities.

PSYCHOLOGY I (704103)

1/2 Credit (Wt. - 4.0)

Open to 11th and 12th

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

This one semester elective in Psychology introduces the student to the basic concepts in the study of modern psychology. Topics covered include current trends in psychology as a science, extra-sensory perception, how behavior is conditioned in man and animals, how man learns, important influences on the development of children, theories of personality, mental health and illness. The course emphasizes classroom discussions of current research in the above topics through textbook material and outside readings. Demonstrations, experiments and projects are available, in and out of class, throughout the semester. A student completing Psychology I will be prepared for the material presented in most Introductory Psychology courses at the college level.

AP PSYCHOLOGY (704215)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students will develop their analytical skills through use of readings, writing of essays, and independent research. Topics covered will include biological bases of behavior, motivation and emotion, developmental psychology, personality, and abnormal psychology. This course will prepare students for the Advanced Placement Examination of the College Board.

SOCIOLOGY (704403) & SOCIOLOGY H (704404)

1/2 Credit (Wt. - 4.0/4.5)

Open to 11th and 12th

This is a semester course which focuses on the study of human interrelationships, analysis of culture and social problems. Topics would include the early theories, the scientific method, culture

socialization social stratification, deviance, social institutions, social change and problems.

GENDER STUDIES (704803) & GENDER STUDIES H (704804)

1/2 Credit (Wt. - 4.0/4.5)

Open to 11th, and 12th

The purpose of Gender Studies is to help students develop historical, theoretical and cross-cultural frameworks for the comparative study of men, women and gender. Questions to be addressed during class include: What does it mean to study "men" and "women" as groups? When is it useful to focus on commonalities among different genders? When is it necessary to stress differences? In what ways do gender differences organize the social world and shape people's experiences and self-perceptions? This course will aim to sharpen students' critical awareness of how gender operates in institutional and cultural contexts and in their own lives, and to give them an opportunity to imagine participating in social change.

WORLD LANGUAGE

CHINESE I (MANDARIN) (501103)

1 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

The study of Mandarin Chinese will open the doors to a new language and the culture of one of the world's significant countries and economic partners. Students will be introduced to the foundations of Mandarin Chinese through listening, speaking, writing and reading of this significantly different sound and writing system. Students will learn the tones of Mandarin Chinese, its characters and correct stroke order as they learn to communicate. Students will explore the various cultures that constitute the Chinese speaking world. Students will learn basic structures and develop comprehension skills. This course will be conducted in Mandarin Chinese.

CHINESE II (MANDARIN) (501203) / CHINESE II HONORS (MANDARIN) (501204)

1 Credit (Wt. - 4.0/4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: Chinese I and teacher rec.

Building on the skills that they began in Chinese I, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. A significant focus of the course includes appropriate cultural topics. While Chinese II Honors will follow the same general curriculum as Chinese II, there will be additional projects, differentiation of some assignments and a higher standard for assessment. This course will be conducted in Mandarin Chinese.

CHINESE III (MANDARIN) (501303) / CHINESE III HONORS (MANDARIN) (501304)

1 Credit (Wt. - 4.0/4.5)

Open to 10th, 11th, and 12th

Prerequisite: Chinese II or II Honors and teacher rec

Based on the skills that they developed in Chinese II, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. Cultural topics are embedded throughout the course. Chinese III Honors will follow the same general curriculum as Chinese III with additional projects, differentiation of some assignments and a higher standard for assessment. This course will be conducted in Mandarin Chinese.

CHINESE IV (MANDARIN) (501403) / CHINESE IV HONORS (MANDARIN) (501404)

1 Credit (Wt. - 4.0/4.5)

Open to 11th and 12th

Prerequisite: Chinese III or III Honors & teacher rec

Building on the skills that they developed in Chinese III, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. Chinese IV students will use previously-acquired skills and vocabulary to write compositions, read a variety of literature pieces and communicate. Chinese IV Honors will follow the same general curriculum as Chinese IV with additional projects, differentiation of some assignments and a higher standard for assessment. This course continues the sequence of preparation for the Chinese Advanced Placement Examination. This course will be conducted in Mandarin Chinese.

CHINESE V HONORS (501514)

1 Credit (Wt. - 4.5)

Open to 12th

Prerequisite: Chinese IV or IV Honors and teacher rec

COURSE CATALOG 2025-2026

Building on the skills developed in Chinese IV or Chinese IV Honors, students will continue learning the foundations of Mandarin Chinese through activities based on the interpretive, interpersonal, and presentational modes of communication. Appropriate candidates are expected to possess a good command of both written and spoken Chinese and will work toward further refining their communication skills. Class will be conducted entirely in Chinese, and students should expect to interact in Chinese with each other and with the teacher.

AP CHINESE LANGUAGE AND CULTURE (501505) & (507505)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Chinese IV or IVH, Mandarin Immersion IIIH or teacher recommendation

Note: Students enrolled in the Chinese (Mandarin) sequence should take course number 501505 and students enrolled in the Chinese Immersion Program should take course number 507505

Advanced Placement Chinese is a college-level course for students, which culminates in the Advanced Placement Language and Culture Examination. Students have the potential to receive college credit. Students are expected to possess a strong command of Chinese in the three modes of communication. Emphasis is placed on refining oral and written communication skills. This class will be conducted entirely in Mandarin Chinese.

MANDARIN CHINESE IMMERSION II H (507104)

1 Credit (Wt. - 4.5)

Open to 9th and 10th

Prerequisite: Proficiency test scores and teacher recommendation from Chinese Immersion Program

This course is a continuation of the Mandarin Chinese Immersion Program. Students will focus on improving and refining their communication skills in Mandarin and increasing their understanding of Chinese culture. Immersive learning experiences are designed to increase fluency in speaking and writing, while concurrently providing listening and reading

opportunities from contemporary media resources across an increasingly extensive range of subject matter. The class will be conducted entirely in Mandarin.

MANDARIN CHINESE IMMERSION III H (507204)

1 Credit (Wt. - 4.5)

Open to 10th

Prerequisite: Proficiency test scores and teacher recommendation from Chinese Immersion Program

This course is a continuation of the Mandarin Chinese Immersion Program. Students will focus on improving and refining their communication skills in Mandarin and increasing their understanding of Chinese culture. Immersive learning experiences are designed to increase fluency in speaking and writing, while concurrently providing listening and reading opportunities from contemporary media resources across an increasingly extensive range of subject matter. The class will be conducted entirely in Mandarin.

COLLEGE CHINESE I (507625)

1/2 Credit (Wt. 5.0)

Open to 12th

Prerequisite: AP Chinese Language and Culture

This course continues the learning sequence for students who have been in the Chinese Immersion Program and who have successfully completed the AP Chinese Language and Culture course. The introduction of the theme of "Working in China" will support the development of verbal communication skills, including the understanding of proverbs and idioms. Writing skills are emphasized and students are exposed to important cultural aspects of the Chinese language. This class will be conducted entirely in Mandarin Chinese. Successful completion of this semester-long course results in 4 college credits for CHNS 201 from North Central College.

COLLEGE CHINESE II (507635)

1/2 Credit (Wt. 5.0)

Open to 12th

Prerequisite: College Chinese I

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

This course continues the learning sequence for students who have been in the Chinese Immersion Program and who have successfully completed the AP Chinese Language and Culture course and Intermediate Chinese I. It develops the theme of “Working in China” to support the development of verbal and written communication skills, with an increasing exploration of Chinese culture. This class will be conducted entirely in Mandarin Chinese. Successful completion of this semester-long course results in 4 college credits for CHNS 311 from North Central College.

FRENCH I (502103)

1 Credit (Wt. 4.0)

Open to 9th, 10th, 11th, and 12th

This is a beginning course which introduces students to the French language and lays the foundation for future study. The emphasis is on developing interpersonal and interpretive skills with a gradual introduction of presentational speaking and writing experiences. Emphasis will be on learning to communicate in the target language on topics of daily life, with frequent use of paired practice, small group work, and role plays. Conversational functions include expressing feelings, preference and opinions; describing people, things and places; and making requests. Students will read basic texts about countries where the target language is spoken and be introduced to various examples of authentic text found in the culture, including signs and advertisements.

FRENCH II (502203)

1 Credit (Wt. 4.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: French I and teacher recommendation

French II is designed for students who can function in French at a very basic level and who wish to further develop listening, speaking, reading and writing skills in interpersonal, interpretive, and presentational situations. Previously-learned material will be reinforced, and students will learn to use language for new purposes. Students will increase their range of expression and vocabulary

will be expanded to include topics such as travel, health, and fashion. Students are expected to speak primarily French in class.

FRENCH II HONORS (502204)

1 Credit (Wt. 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: French I and teacher recommendation

French II Honors begins the sequence of preparation for the Advanced Placement French Language and Culture Examination. It is designed for students who can function with ease in the target language at a basic level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students will expand their range of expression to include such topics as travel, health and fashion. They also need to apply critical thinking skills in the target language. Emphasis will be on learning to communicate in French using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Classes will be conducted entirely in French.

FRENCH III (502303)

1 Credit (Wt. 4.0)

Open to 10th, 11th, and 12th

Prerequisite: French II and teacher recommendation

French III is designed for students who can function with ease in the target language and who wish to develop their skills in understanding, speaking, reading and writing in French. There is a continued emphasis on oral communication with further development of interpersonal, interpretive, and presentational skills. Students acquire additional vocabulary and structures which allow them to become more creative in expressing themselves when discussing topics of daily life. Students continue to become acquainted with Francophone cultures by examining various audio and video sources. This course is conducted in French, and students are expected to interact primarily in French.

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

FRENCH III HONORS (502304)

1 Credit (Wt. 4.5)

Open to 10th, 11th, and 12th

Prerequisite: French II Honors or equivalent and teacher recommendation

This course continues the sequence of study which culminates in the Advanced Placement French Language and Culture Examination. It is designed for students who can function with ease in French and who wish to improve and expand their skills in understanding, speaking, reading, and writing in French. Students will increase their range of expression, learning to use language for many different purposes. Students need to be able to successfully connect previously-learned material with new material. Emphasis will be on learning to communicate about topics of daily life using the three modes of communication (interpersonal, interpretive and presentational). This class is conducted entirely in French, and students are expected to interact with the teacher and their peers using French.

FRENCH IV (502403)

1 Credit (Wt. 4.0)

Open to, 11th, and 12th

Prerequisite: French III and teacher rec

This course is designed for students who can function entirely in the target language and who wish to improve and expand their skills in understanding, speaking, reading and writing in French. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts to create and converse more freely. Students will be introduced to a variety of French and Francophone folk tales, short stories, history and regional studies and will continue to reinforce vocabulary and grammar previously taught. This course is conducted entirely in French and students are expected to interact with their peers in French.

FRENCH IV HONORS (502404)

1 Credit (Wt. 4.5)

Open to 11th, and 12th

Prerequisite: French III Honors and teacher rec

This course is a continuation of the sequence to prepare students for the Advanced Placement French Language and Culture Examination. It is designed for students who can function exclusively in the target language at an intermediate level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students are required to use more sophisticated vocabulary and grammatical structures in a variety of contexts to allow them to communicate more freely and creatively than in previous levels. This course is organized around the AP themes: Global Challenges, Public and Personal Identities, Science and Technology, Contemporary Life, Beauty and Aesthetics, Families and Communities. In addition to further developing language skills, students will gain a deeper awareness and understanding of the cultural diversity of the Francophone world.

AP FRENCH LANGUAGE AND CULTURE (502505)

1 Credit (Wt. 5.0)

Open to 12th

Prerequisite: French IV and/or teacher rec.

This course is the final course to prepare students for the Advanced Placement French Language and Culture Examination and provides the potential for college credit. It is organized around the AP themes: global challenges, personal and public identities, science and technology, contemporary life, beauty and aesthetics, and families and communities. The course is designed for highly-motivated students willing to do collegelevel work. Students must be able to function at an advanced level in French, using sophisticated vocabulary and grammatical structures in a variety of communication tasks within the three modes of communication (interpersonal, interpretive and presentational). Students need to be able to apply critical thinking skills by comparing, contrasting, summarizing and synthesizing information in the target language. Students will develop a deeper awareness and understanding of the cultural diversity of the French-speaking world and draw

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

comparisons to their own. The course is conducted exclusively in French, and students are expected to speak exclusively in French.

FRENCH V HONORS (502514)

1 Credit (Wt. 4.5)

Open to 12th

Prerequisite: French IV or IV H and teacher rec

This is a dynamic course in which students will be able to improve their fluency in an informal atmosphere. A variety of materials, including audio recordings, films, texts and other print materials, will be used to stimulate discussion. Periodic assignments will help students maintain their written skills. This course is a full year course. The course is conducted exclusively in French, and students are expected to speak exclusively in French.

GERMAN I (503103)

1 Credit (Wt. 4.0)

Open to 9th, 10th, 11th, and 12th

This course is designed for students with no background knowledge in the target language who wish to develop skills in understanding, speaking, reading, and writing in German. Emphasis will be on learning to communicate on topics of daily life, with frequent use of paired practice, small group work, and role plays. Students will be introduced to using German for many different purposes, such as the following: expressing feelings, preference, and opinions; describing people, things, and places; and making requests. Students will read basic descriptions of life in countries where the target language is spoken and be introduced to various examples of authentic text found in the culture such as signs, advertisements and letters.

GERMAN II (503203)

1 Credit (Wt. 4.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: German I and teacher rec

This course is designed for students who can function in the target language at a very basic level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in

German. Emphasis will be on learning to communicate on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: travel, health, fashion and home design as well expressing feelings, preference, and opinions. Students will use authentic resources and technology to create a portfolio.

GERMAN II HONORS (503204)

1 Credit (Wt. 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: German I and teacher rec

This course begins the sequence of preparation for the Advanced Placement German Language and Culture exam. It is designed for students who can function with ease in German at a basic level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in German. Students need to be able to connect previously-learned material to newly learned material. Emphasis will be on learning to communicate in the target language on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: travel, health, fashion and home design as well expressing feelings, preference, and opinions. Students will use authentic resources and technology to create a portfolio. Students need to be able to apply critical thinking skills in the target language. In addition, students will practice their speaking, reading, listening and writing skills outside of class. The course is conducted in German.

GERMAN III (503303)

1 Credit (Wt. 4.0)

Open to 10th, 11th, and 12th

Prerequisite: German II and teacher rec

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

This course is designed for students who can function in the target language at an intermediate level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in German. Students are guided to further expand and improve their communication skills in German so that they can understand and converse more freely and creatively than at previous levels. Emphasis will be on learning to communicate on topics of daily life, using the three modes of communication:

interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: globalization, contemporary life, personal identity, school & career and history. Students will use authentic resources and technology to create a portfolio. The course is conducted in German, and students are expected to speak in German.

GERMAN III HONORS (503304)

1 Credit (Wt. 4.5)

Open to 10th, 11th, and 12th

Prerequisite: German II Honors and teacher rec

This course is the second course to prepare students for the Advanced Placement German Language and Culture exam. It is designed for students who can function with ease in the target language at an intermediate level and wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students are guided to further expand and improve their communication skills in German so that they can understand and converse more freely and creatively than at previous levels. Students need to be able to connect previously-learned material to newly learned material. Emphasis will be on learning to communicate on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: globalization, contemporary life,

personal identity, school & career and history. Students will use authentic resources and technology to create a portfolio. Students need to be able to apply critical thinking skills in the target language. In addition, students will practice their speaking, reading, listening and writing skills outside of class. The course is conducted exclusively in German and students are expected to speak exclusively in German.

GERMAN IV (503403)

1 Credit (Wt. 4.0)

Open to, 11th and 12th

Prerequisite: German III and teacher rec

This course is designed for students who can function exclusively in the target language at an intermediate level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts, so that they can understand and converse more freely and creatively than at previous levels in listening, speaking, reading and writing tasks. This course is organized around themes based on contemporary social, political and cultural issues of German-speaking societies, such as: globalization, public and personal identities, science and technology, contemporary life, beauty and aesthetic, families and communities. Students in German IV will have an awareness and understanding of the cultural diversity of the German-speaking world and draw comparisons to their own. Students will use authentic resources and technology to create a portfolio. The course is conducted in German and students are expected to speak exclusively in German.

GERMAN IV HONORS (503404)

1 Credit (Wt. 4.5)

Open to 11th and 12th

Prerequisite: German III Honors and teacher recommendation

This course is the third course to prepare students for the Advanced Placement German

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

Language and Culture exam. It is designed for students who can function exclusively in the target language at an intermediate level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts, so that they can understand and converse more freely and creatively than at previous levels in listening, speaking, reading and writing tasks. Students need to be able to connect previously learned material to newly learned material in unknown situations. This course is organized around themes based on contemporary social, political and cultural issues of German-speaking societies, such as: globalization, public and personal identities, science and technology, contemporary life, beauty and aesthetics, families and communities. Students in German IV Honors will have a deeper awareness and understanding of the cultural diversity of the German-speaking world and draw comparisons to their own. Students will use authentic resources and technology to create a portfolio. Students need to be able to apply critical thinking skills in the target language. In addition, students will practice their speaking, reading, listening and writing skills outside of class. The course is conducted in German and students are expected to speak exclusively in German.

GERMAN V HONORS (503514)

1 Credit (Wt. 4.5)

Open to 12th

Prerequisite: German IV or IV H and teacher rec

In this dynamic course, students will be able to improve their fluency in an informal atmosphere. A variety of materials, including films, texts, audio recordings and other print material, will be used to stimulate discussions, which enhance verbal and cultural learning. This course will also continue to explore the culture of German speaking countries. The course is conducted in German and students are expected to speak exclusively in German.

AP GERMAN LANGUAGE AND CULTURE (503505)

1 Credit (Wt. 5.0)

Open to 12th

Prerequisite: German IV and/or teacher rec

This course is the final course to prepare students for the Advanced Placement German Language and Culture exam and also provides the potential for college credit. It is designed for students who can function exclusively in the target language at an advanced level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students are required to use sophisticated vocabulary and grammatical structures in a variety of contexts, so that they can understand and converse more freely and creatively than at previous levels in listening, speaking, reading and writing tasks. Students must connect previously-learned material with newly-learned material in unknown situations. This course is organized around the AP themes: Globalization, Public and Personal Identities, Science and Technology, Contemporary Life, Beauty and Aesthetics, Families and Communities. Students will have a deeper awareness and understanding of the cultural diversity of the German-speaking world and draw comparisons to their own. Students need to be able to apply critical thinking skills in the target language. In addition, students will complete an independent project outside of class to challenge their three modes of communication. The course is conducted exclusively in German and students are expected to speak exclusively in German.

LATIN I (504103)

1 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

Basic grammar is introduced through drills, readings and conversations. Noun cases in three declensions, six tenses of verbs in four conjugations in both voices, as well as most adjectives and adverbs are presented. Much vocabulary work is done to prepare students for reading stories of increasing complexity. A working knowledge of English grammar is acquired throughout both semesters, as

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

well as etymology, Roman History, and Classical Mythology.

LATIN II (504203) / LATIN II HONORS (504204)

1 Credit (Wt. - 4.0/4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: Latin I and teacher recommendation

First semester begins with a rigorous review of Latin I vocabulary and grammar. Grammar study then progresses with pronouns, and comparison of adjectives. Second semester focuses on the formation of infinitives and participles with an introduction to the subjunctive mood. Written translations, sentence work and outside readings are assigned frequently.

LATIN III (504303)

1 Credit (Wt. - 4.0)

Open to 10th, 11th, and 12th

Prerequisite: Latin II and teacher recommendation

First semester begins with a thorough review of all previously learned grammar. Subjunctive mood is presented, while developing Latin reading skills. Readings in Latin vary from year to year, but may include Caesar and Livy.

LATIN III HONORS (504304)

1 Credit (Wt. - 4.5)

Open to 10th, 11th, and 12th

Prerequisite: Latin II Honors and teacher recommendation

First semester begins with a rigorous review of all Latin grammar with emphasis on the subjunctive. Rhetorical devices, structure of prose and the divisions of oration are introduced. Readings in Latin include Pliny's letters, Cicero's Speeches, and Ovid's Metamorphoses. Readings in English include Ovid's Metamorphoses.

LATIN IV (504403) / LATIN IV HONORS (504404)

1 Credit (Wt. - 4.0/4.5)

Open to 11th and 12th

Prerequisite: Latin III or III Honors and teacher recommendation

This course focuses on the poetry of Catullus, Horace and Ovid. Other authors may be added such as Plautus or Cicero. Emphasis is on the

understanding of grammar, meaning and literary qualities of these Works. This class may be combined with V Honors and/or AP Topics.

LATIN V HONORS (504504)

1 Credit (Wt. - 4.5)

Open to 12th

Prerequisite: Latin IV or and teacher recommendation

This course focuses on the works of Vergil's Aeneid and Caesar's De Bello Gallico. Various selections will be read with a focus on the context and literary merit of each work. This class may be combined with other upper Latin classes.

AP LATIN (504505)

1 Credit (Wt. - 5.0)

Open to 12th

Prerequisite: Latin IV Honors and teacher recommendation

This course focuses on the works of Vergil's Aeneid and Caesar's De Bello Gallico. Various selections will be read with a focus on the context and literary merit of each work. This class prepares students for the Advanced Placement Latin Exam.

SPANISH I (506103)

1 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

Spanish I is a beginning level course to introduce students to the Spanish language and its cultures. In addition to a basic introduction, students will be required to memorize and retain vocabulary and be able to use it in its appropriate context. Students will also study the grammatical fundamentals of the Spanish language. Students will need to listen, read, write and speak in the target language throughout the year.

SPANISH II (506203)

1 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: Spanish I

This course builds on the speaking, listening, reading, and writing skills developed in Spanish I or in the middle school program. Students are expected to speak as much Spanish as possible in class.

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

Previously learned materials are reviewed and reinforced, new structures and tenses are learned, and vocabulary is expanded. This course will be primarily conducted in Spanish.

SPANISH II HONORS (506204)

1 Credit (Wt. - 4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: Spanish I and teacher recommendation

This course begins the sequence of preparation for Advanced Placement Spanish Language and Culture exam. It is designed for students who can function with ease in the target language at a basic level and wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students need to be able to connect previously learned material and successfully apply it to newly learned material. Emphasis will be on learning to communicate in the target language on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: travel, health, fashion and home design as well expressing feelings, preference, and opinions. Students will use authentic resources and technology to create a portfolio. Students need to be able to apply critical thinking skills in the target language. In addition, students will practice their speaking, reading, listening and writing skills outside of class. The course is conducted in Spanish, with the expectation that Spanish be spoken with both instructor and peers.

SPANISH III (506303)

1 Credit (Wt. - 4.0)

Open to 10th, 11th, and 12th

Prerequisite: Spanish II or II Honors and teacher rec

Spanish III continues the in-depth exploration of all four skills in the Spanish language. Students continue to learn vocabulary and are expected to use it in context throughout the course.

Students continue to develop their grammatical skills and their accurate use on a regular basis in speaking, reading and writing. The class is conducted almost entirely in the target language. Students are also expected to speak Spanish on a daily basis.

SPANISH III HONORS (506304)

1 Credit (Wt. - 4.5)

Open to 10th, 11th, and 12th

Prerequisite: Spanish II Honors and teacher rec

This course is the second course to prepare students for the Advanced Placement Spanish Language and Culture exam. It is designed for students who can function with ease and think critically in the target language at an intermediate level, and wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students are guided to further expand and improve their communication skills in Spanish so that they can understand and converse more freely and creatively than at previous levels. Students need to be able to connect previously learned material and successfully apply newly learned material. Emphasis will be on learning to communicate in the target language on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: contemporary life, social interactions and customs, life skills, and passages of life. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish.

SPANISH IV (506403) 1 Credit (Wt. - 4.0)

Open to 11th and 12th

Prerequisite: Spanish III or III Honors and teacher recommendation

This course will provide a continuing sequence of language for those students who would like to refine their communication skills in Spanish. Students will study the history and cultures of various Hispanic countries. They will read a variety

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

of short stories from various Spanish-speaking countries in addition to learning new vocabulary and reviewing grammatical structures. This course is conducted entirely in Spanish and students are expected to interact with their peers in Spanish.

SPANISH IV HONORS (506404)

1 Credit (Wt. - 4.5)

Open to 11th and 12th

Prerequisite: Spanish III Honors and teacher recommendation

Spanish IV Honors is a course which follows in sequence with the Honors curriculum in order to build upon reading, writing, listening, and speaking skills in accordance with the six AP themes. Students will be expected to communicate orally in interpersonal conversation and presentational reports, write compositions, process aural and written language for comprehension of facts. The course features a variety of readings of different genres, pop culture and media pieces from Spanish-speaking countries, and art samples from Hispanic artists. This course continues preparation for the AP Spanish Language and Culture course/exam.

SPANISH V HONORS (506514)

1 Credit (Wt. - 4.5)

Open to 12th

Prerequisite: Spanish IV or IV Honors and teacher recommendation

This is a dynamic course in which students will be able to improve their fluency in an informal, structured atmosphere. Students will continue to develop advanced communication skills through the review of essential vocabulary and grammar. Included in this course are short stories, various speaking activities, and projects which enhance verbal and cultural learning. This course will also continue to explore cultural aspects from Spanish speaking countries. This course is conducted entirely in Spanish.

AP SPANISH LANGUAGE & CULTURE (506505)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Spanish IV or Spanish IVH and/or teacher recommendation,

Note: Students enrolled in the Spanish for Spanish Speakers sequence should take course number 505425.

This course is the equivalent of an introductory college course in literature written in Spanish. Students will study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills – with special attention to critical reading and analytical writing – and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. A key objective of the course is to encourage students not only to understand and retell the content of the texts they read but also to relate that content to literary, historical, sociocultural, and geopolitical contexts in Spanish.

AP SPANISH LITERATURE & CULTURE (505505)

1 Credit (Wt. - 5.0)

Open to 12th

Prerequisite: AP Spanish Language and Culture

This course is the equivalent of an introductory college course in literature written in Spanish. Students will study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills – with special attention to critical reading and analytical writing – and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. A key objective of the course is to encourage students not only to understand and retell the content of the

COURSE CATALOG 2025-2026

texts they read but also to relate that content to literary, historical, sociocultural, and geopolitical contexts in Spanish.

SPANISH FOR SPANISH SPEAKERS I (505113)

1 Credit (Wt. - 4.0)

Open to 9th, 10th, 11th, and 12th

Prerequisite: Placement exam results

This course is designed for students who have grown up listening to and speaking Spanish, but wish to improve their reading, writing and overall skills in the language. Students will study literature, vocabulary, culture and work in an appropriate challenging program for their skill level in Spanish. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish. To enroll in this course, a placement test will be given to determine the correct level.

SPANISH FOR SPANISH SPEAKERS II (505213) / SPANISH FOR SPANISH SPEAKERS II HONORS (505214)

1 Credit (Wt. - 4.0/4.5)

Open to 9th, 10th, 11th, and 12th

Prerequisite: Placement exam results

This course is designed to continue developing the reading, writing and fluency of students who have grown up with the Spanish language. Students will improve their grammar skills, read literature from various sources and complete projects related to the cultures studied. Students will enter the course after Spanish for Spanish Speakers 1 or via placement test results. To receive honors credit, students will complete an additional oral presentation, read and analyze additional works, complete supplemental written work and be prepared to be leaders in the classroom. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish.

SPANISH FOR SPANISH SPEAKERS III (505323)

1 Credit (Wt. - 4.0)

Open to Sophomores, Juniors, and Seniors

Prerequisite: Spanish for Spanish Speakers II and teacher recommendation

This course will focus on refining and mastering advanced communication skills of both written and oral Spanish through reading various readings, advanced grammatical concepts, presentations and projects. Students in this course will be required to demonstrate their mastery of skills by producing various written works and oral presentations in an academic environment. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish.

SPANISH FOR SPANISH SPEAKERS III ACCL (505325)

1 Credit (Wt. - 5.0)

Open to 10th, 11th, and 12th

Prerequisite: Spanish for Spanish Speakers II Honors and teacher recommendation

This course will focus on a greater mastery of both written and oral Spanish communication skills through reading various readings, presentations and projects. Students will be required to demonstrate mastery of skills by producing various written works and oral presentations. To receive honors credit, students will complete an additional oral presentation, read and analyze additional works, complete supplemental written work and be prepared to be leaders in the classroom. The course is conducted exclusively in Spanish. Upon successful completion of this course, students will have the opportunity to receive 4 hours of Harper transcribed credit for Spanish 112 and 4 hours of Harper transcribed credit for Spanish 113.

AP SPANISH LANGUAGE AND CULTURE (505425)

1 Credit (Wt. - 5.0)

Open to 11th and 12th

Prerequisite: Spanish for Spanish Speakers III or III ACCL and/or teacher recommendation.

Note. Students enrolled in Spanish IV or Spanish IV Honors should take course number 506505.

This course is the final course to prepare students for the Advanced Placement Spanish Language and Culture exam and also provides the potential for college credit. The course is designed

[Click here to return to the Table of Contents](#)

COURSE CATALOG 2025-2026

for highly motivated students willing to do college level work and geared toward students who can function exclusively in the target language at an advanced level and wish to improve, expand, and refine their skills in understanding, speaking, reading, and writing in the target language. Students are required to use sophisticated vocabulary and grammatical structures in a variety of contexts using the three modes of communication (interpretive, interpersonal and presentational), so that they can understand and converse more freely and creatively than at previous levels. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcribed credit for Spanish 210.

and further develops language comprehension and production skills at increasing levels of complexity. Applies increasingly complex grammatical structures to language functions. Presents and integrates additional information about Deaf culture into language usage. Successful completion of this course will result in 4 transcribed credit hours for SGN 102. This course meets at Harper College. STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.

SIGN LANGUAGE I (493105)

1/2 Credit (Wt. - 5.0)

Open to 12th

Offered only Fall semester

This course introduces the student to American Sign Language with emphasis on comprehension and production of basic language functions, grammatical structures and level-appropriate vocabulary.

Presents information about the Deaf community and culturally appropriate behaviors. Designed for students with no previous experience in American Sign Language. Successful completion of this course will result in 4 transcribed credit hours for SGN 101. This course meets at Harper College.

STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.

SIGN LANGUAGE II (493205)

1/2 Credit (Wt. - 5.0)

Open to 12th

Offered only Spring semester

Prerequisite: completion of Sign Language 1 (493105) with a grade of C or better

This course reviews American Sign Language vocabulary, language functions and grammatical structures presented in Sign Language 101. It integrates material previously presented in SGN 101

[Click here to return to the Table of Contents](#)