



2022-2023 DISTRICT 211

CURRICULUM GUIDE

<https://adc.d211.org>



TOWNSHIP HIGH SCHOOL DISTRICT 211

UNITED STATES DEPARTMENT OF EDUCATION BLUE RIBBON SCHOOLS OF EXCELLENCE

James B. Conant High School

ALTERNATIVE SCHOOLS

William Fremd High School

District 211 North Campus

Hoffman Estates High School

Higgins Education Center

Palatine High School

Schaumburg High School

TOWNSHIP HIGH SCHOOL DISTRICT 211 MISSION STATEMENT

Township High School District 211 serves the educational needs of the community inspiring all students to successfully contribute to the world.

BOARD OF EDUCATION

Anna Klimkowicz, *President*

Steven Rosenblum, *Vice President*

Kimberly Cavill, *Secretary*

Curtis Bradley

Mark J. Cramer

Peter Dombrowski

Tim Mc Gowan

Lisa Small, *Superintendent*

Board of Education Membership

The Board of Education is composed of seven members elected by citizens of the school district. A Board member receives no salary and may seek reelection to any number of terms.

School board elections are held and regulated by State mandates. To be a qualified candidate, a person must be a registered voter, 18 years old or older, and a resident of the State and the district for at least one year immediately preceding the election.

Board officers are chosen by the members.

Board of Education Responsibilities

The Board of Education has complete and final control over local school matters subject only to limitations imposed by State and Federal law. No one member or group of members may act in the name of the Board.

Major responsibilities of the Board of Education are to express and represent the view of the community in matters affecting education, determine education standards and goals, adopt policies for the administration of the school system, employ a Superintendent of Schools, authorize the appointment of teachers and other staff members, approve curriculum, secure money for school operational needs and building programs, and authorize expenditures.



If you require assistance while using a District 211 school, please contact the principal's office.

For individuals who are deaf or hard of hearing, please access the following TTD/TTY telephone number: (847) 755-6654.



SUPERINTENDENT'S MESSAGE

DR. LISA SMALL

The mission of Township High School District 211 is to serve the educational needs of our diverse community through relevant, rigorous learning experiences, opportunities for involvement and strong support systems that empower all students to reach their full potential. This mission, rewritten in 2022 to reflect a growing emphasis on the reality of the growth and innovation occurring in our schools, is achieved not only through the programs we offer but also through the educators who are involved.

Our new five-year Strategic Plan, adopted by the Board of Education in June, is labeled “Forward Together” with the knowledge that we are part of something larger than ourselves, moving forward together with a focused emphasis on preparing students for all types of careers, college and life.

Our curriculum is a product of continued critical and creative thinking, a constructive emphasis on best practices, curious minds that question and probe, and teachers and administrators who create new opportunities they believe will help our students prepare themselves for the world. We offer students coursework that allows them to gain early college credits through rigorous Advanced Placement and Dual Credit options. We also offer the opportunity for workforce credentials in areas such as computer programming, manufacturing and machining and health care, with hands-on work that directly translates to real world skills and experiences.

We continue to move our options forward, amid a changing world, to prepare students for their future.

Sincerely,

Lisa Small
Superintendent



2022-2027 Strategic plan
<https://adc.d211.org/Page/87>





INTRODUCTION

This Curriculum Guide is designed to help students plan their programs of study from the variety of courses offered in Township High School District 211. Students should plan their high school programs with the help of their parents, counselors, and teachers. In this guide, each course is described by Level of instruction, length of course, specific PREREQUISITE, and credit value. Courses offered off-campus are so noted. In addition to the course descriptions, this guide provides information about graduation requirements, grading, student services, summer school, and other areas of interest. This Curriculum Guide is intended to assist students and parents in making educational decisions about high school programs. Course offerings are subject to enrollment and slight variations may occur from school to school. A student's counselor is always the best source for the most up-to-date information regarding course selection.

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STUDENT SERVICES

Each school has a Student Services Department consisting of counselors, psychologists, social workers, speech and language therapists, a school nurse, and special education teachers. Staff members give students individual and group help in adjusting to their lives.

Each student is assigned a counselor upon entering high school. The counselor meets with each student at least twice a year, although students may see their counselor more often. Parents may meet with their student's counselor by appointment during school hours.

A comprehensive testing program is in place to assist students in understanding their aptitudes, interests, and special abilities. Major test dates are provided in each school's Calendar/ Handbook. Counselors interpret test results to students and parents. A college and career resource center, which is available to students and parents, provides information on college programs, scholarships, employment opportunities, trade and technical school programs, military services, occupational opportunities, and specialized educational and vocational programs. A computer software system which contains occupational, college, and financial aid information is available

to all students. A career counselor coordinates activities to help students develop appropriate career goals. A counselor who has received special training as a college consultant is available to provide families with specific college and financial aid information.

Psychologists and social workers provide services to students and/or their families and serve as liaisons between school and community agencies. In addition, the psychologist conducts individual psychological evaluations and interprets results to students, parents, and school staff. A speech and language therapist and school nurse are available in each school to provide appropriate services to students.

Special education programs, designed to meet all state and federal mandates, are available for students with special needs. Special education teachers are trained to work with physically, mentally, and behaviorally challenged students. These teachers provide supplemental instruction to students in the regular classroom and special instruction to students whose educational needs require a modified program. Teaching assistants work with classroom teachers to extend additional assistance to students.

COURSE SELECTION & REGISTRATION

Beginning in November, counselors and teachers assist students in the selection of course requests for the following year. Parents are encouraged to contact their student's counselor to assist in this process. *A list of course requests by the student is made available for review and approval in spring.* Changes in courses requested may be made up to the date indicated on this list. **Courses will only run if minimum enrollment guidelines are met.**

Subject Level placement of incoming freshmen is based on the results of placement tests and the recommendations of junior high school teachers. Placement of students already enrolled in high school is based upon previous performance and the recommendations of their teachers.

Students must register for the equivalent of four full-credit subjects plus Wellness courses. However, most students register for five full-credit courses plus Wellness courses.

STUDENT COURSE ACCELERATION

Most courses listed in this Guide have prerequisites for enrollment. Prerequisites are designed to inform students and parents of the background knowledge and skills important for successful completion of a course and should be reviewed before registering.

District 211 encourages every student to strive to reach his/her maximum educational potential. In some cases, a student may wish to register in a course for which prerequisites have not been met in order to accelerate that student's academic

progress. Success in this situation is dependent upon the degree of student motivation; a clear understanding of the challenges that will be presented in the course; and a collaborative approach by the student, parents, and teacher.

Any student who wishes to register for a course without meeting the prerequisites is encouraged to discuss course requirements and content with the student's counselor and the department chair or teacher.

GRADING & REPORTING

Student grades are reported by semesters. Each semester is made up of 18 weeks. Parents are informed of their student's progress at 6- and 12-week intervals. The 6- and 12-week in-progress grades may include special comments from the teacher. The final examination at the end of each semester is worth 20 percent of the semester grade. Semester grades are recorded on each student's permanent record. Parents of students having difficulty or doing unsatisfactory work are urged

to meet with teachers and/or the student's counselor to discuss improvement options. Specific dates of all student reports are in each school's Calendar/Handbook.

Additionally, all parents may view the status of their students in classes in which the teacher is using the Infinite Campus Parent Portal by logging on at

<https://campus.d211.org/campus/portal/parents/township.jsp>.

GENERAL GRADING INFORMATION

The following is an explanation of the grading scale used on the report cards:

A	A superior grade for exceptional or outstanding work.
B	An excellent and commendable grade for an above average degree of accuracy and knowledge of the subject.
C	An average grade for an adequate and satisfactory performance.
D	A passing grade for below average work.
E	A passing grade for demonstrating maximum effort and/or minimum skills.
F	A failing grade.
AUD	Special permission to take a course for no grade and no credit.
EXC	Excused for the grading period and/or from taking the semester examination. Credit for the course may depend on any existing grades earned during the course.
PASS	A passing grade for a course taken on a Pass/Fail basis. Credit is given, but no grade point is recorded.
FAIL	A failing grade for a course taken on a Pass/Fail basis. No credit is given and no grade point is recorded.
W/P	Withdrew from course with passing grade. No credit is given and no grade point is recorded.
W/F	Withdrew from course with failing grade. No credit is given and the grade point reduction will be recorded.
INC	Required work is incomplete. Students should discuss the situation with their teachers as soon as possible.
–	Following a letter grade indicates a “minus”. “C–” means a low “C” grade.
+	Following a letter grade indicates “plus”. “C+” means a high “C” grade.

Semester grades are determined from grades recorded for daily class discussion, written assignments, special projects, and examinations. Grades are based on how well students meet established course standards.

Grades of “INC” will be given unless students do all basic assignments such as term papers, themes, special reports, book reviews, daily written assignments, community service projects, and all examinations. Students who are incomplete at the end of the semester, except for those with recent illness, will not be allowed to take the semester examination at its scheduled time and may fail the course unless work is made up by a designated time.

Juniors and seniors may choose to take one elective subject each semester on a “pass/fail” grade basis. **“Pass/Fail” petitions must be signed and on file within the first twenty-five (25) school days of each semester.** Once students choose “pass/fail” they

may not change that option after the twenty-seventh (27th) school day of the semester. College admissions personnel recommend that students pursue a rigorous academic program for college admission. Generally, colleges do not recommend that high school students take a major academic subject on a pass-fail basis. College-bound students should confer with their counselors before taking a course pass/fail.

In order to be eligible for interscholastic athletics and competitive activities, a student must meet both Illinois High School Association and District 211 academic and personal conduct standards.

An honor roll is announced for each semester. Students with an unweighted semester grade point average of 3.5 (A average) or better are placed in the high honors group. Students with grade point averages of 3.0 to 3.5 (B average) are placed in the honors group. In computing honor roll, grade points are assigned according to a 4-point system (A=4 points; B=3 points; C=2 points; D=1 point; and E and F=0 points). Grades in junior/senior Wellness, pass/fail courses, and driver education are not given grade points and are not considered in the grade point average. Students taking accelerated and/or honors courses receive a weighted boost for each semester. *A weighted grade point average is recorded each semester and is used for college admissions and academic scholar status purposes only.* Weighted grade points do not affect in-school honors.

REQUIREMENTS FOR GRADUATION

Complete 20 units of credit:

1. Successfully complete:
 - a. One unit of United States History
 - b. One unit of Social Science Survey or 1/2 unit each of Government and Economics (includes Civics coursework requirement)
 - c. Three years of mathematics course work is required, with successful completion of a 300-level course. One of the three required units must be Algebra I, and one unit must include Geometry content.
 - d. Two units of science (1 year — Biological Science / 1 year — Physical Science)
 - e. One unit of art, world language, music, or career and technical education (Applied Technology, Business Education, Family and Consumer Sciences)
 - f. Four units of English
 - g. Two years of writing-intensive courses, one of which must be English.
 - h. One-half unit of Consumer Education/Management (or equivalent)
 - i. One-half unit of Health (ending with the class of 2021)
 - j. Wellness credit for each semester of attendance (or equivalent). Beginning with the class of 2022, two units of Wellness which incorporates physical education and health education
2. Complete 30 hours of instruction in safety education (Driver Education classroom instruction)
3. Pass a qualifying examination on the State and Federal Constitutions, Declaration of Independence, use of the American flag, and the Australian (secret ballot) method of voting
4. Participate in State testing at an appropriate Level
5. File one of the following: (1) a Free Application for Federal Student Aid (FAFSA) with the U.S. Department of Education (ISBE); (2) an application for State financial aid; or (3) an Illinois State Board of Education (ISBE) waiver form indicating that the student is not at least 18 years of age or legally emancipated, the student's parent/guardian must file one of these documents on the student's behalf.

(A student is exempt from additional requirement 5 is: (1) the student is unable to file a financial aid application or an ISBE waiver due to extenuating circumstances; (2) the building principal attests that District made a good faith effort to assist the student or the student's parent/guardian with filing a financial aid application or an ISBE waiver form; and (3) the student has met all other graduation requirements).

SPECIAL POLICIES REGARDING CREDITS

1. Students may drop an elective course after the first semester and receive one-half credit. However, one semester of a one-year course may not meet college entrance requirements.
2. Students electing to take a fifth subject may drop a fifth subject no later than the twenty-fifth (25th) school day of the semester. A student who drops a fifth subject after the deadline will be assigned a compulsory study hall and will receive either a W/P or W/F.

DISTRICT 211 GRADUATION REQUIREMENTS

ACADEMIC AREA	DISTRICT 211 GRADUATION REQUIREMENTS*	COMMUNITY COLLEGE CAREER PROGRAMS, VOCATIONAL SCHOOLS	4-YEAR COLLEGES AND UNIVERSITIES, COMMUNITY COLLEGE TRANSFER PROGRAMS*	HIGHLY SELECTIVE COLLEGES AND UNIVERSITIES
ENGLISH	4 Years	4 Years	4 Years: Emphasis on written and oral communication and literature	4 Years
MATHEMATICS	3 Years including a 300-level course	2 Years	3 Years: Algebra, Geometry, Algebra 2, Trigonometry	4 Years: Recommended through Calculus
SCIENCE (laboratory sciences)	2 Years	2 Years	3 Years: Recommended core areas: Biology, Chemistry, Physics	4 Years: Recommended core areas: Biology, Chemistry, Physics
SOCIAL STUDIES	2 Years: U.S. History and Social Science Survey or equivalent	2 Years	3 Years: Emphasis on History and Government (<i>requirement varies</i>)	3 to 4 Years
WORLD LANGUAGE	1 Year or Career/Technical Education/Fine Arts	None Required	2 Years**	2 to 4 Years
CAREER & TECHNICAL EDUCATION or FINE ARTS	1 Year or World Language	None Required	2 Years:** May include course in: Applied Technology, Art, Business Education, Family and Consumer Sciences, or Music	1 Year recommended

* Additional District 211 requirements include: consumer education, driver education, 2 years of physical education, and 2 years of Wellness.

** World language preparation may be recommended or required by colleges or universities. State-supported universities in Illinois may accept vocational education or fine arts courses in lieu of foreign language. Check with a counselor for details.

The chart above compares the academic expectations of various post-high school opportunities available to graduates. It is intended only as a general guide. **Colleges expect a student to program at least four core academic subjects into each year.** These college preparatory subjects are: English, world language, mathematics, science, and social studies. Highly selective institutions require greater numbers of these core academics.



Counselors act as resource people; however, many specific questions are better directed to the college or university admissions staff. Final admissions decisions are always up to the colleges. They are usually based on the number of academic courses and the grade point average in those courses as well as the student's scores on standardized admissions tests (ACT, SAT).

Requirements for admission to individual colleges and universities vary. Students who cannot maintain a "C" grade average (2.0) in high school may have some difficulty qualifying for college entrance. Some colleges may admit students with lower grade point averages, but who score well on entrance exams.

College Admission Testing

Most public colleges and universities in the Midwest, including all Illinois state universities and most community colleges, require the ACT or SAT as part of the admissions process.

Advanced Placement

Township High School District 211 offers courses designed to help students receive college advanced placement credit by examination. Each year, Advanced Placement tests are administered to qualified students in May. Many colleges also give college credit through the College Level Examination Program (CLEP).

NCAA INITIAL ELIGIBILITY FOR STUDENT-ATHLETES

Students interested in participating in college athletics at the NCAA Division I or II Level must meet the NCAA freshman eligibility standards. Initial eligibility is determined by NCAA from three high school factors: core course completion, test scores, and grade-point average. NCAA Division I and II require 16 core courses. Detailed information regarding freshman eligibility criteria is available on the NCAA Eligibility Center website.

The primary responsibility of a high school in relationship to a freshman student-athletes certification is to ensure that the school's list of approved core courses is accurate and up to date. Only courses in the areas of English, mathematics, science, social studies and world language can be considered for core course approval. Approved Core Courses for all District 211 high schools are listed on the NCAA Eligibility Center website at www.ncaaclearinghouse.net. Additionally, these approved courses are listed below and have been denoted in this guide with an NCAA designation within the course description.

List of Approved Core Courses (Form 48H) for all Township High School District 211 schools:

ENGLISH	SOCIAL STUDIES	MATHEMATICS	SCIENCE	WORLD LANGUAGE
E101 English 1	G143 World Geography	M113 Algebra 1 (2 units)	S131 Biology	L152 Chinese 1
E102 English 1	G146 World History	M114 Algebra 1	S137 Biology	L162 French 1
E108 English 1	G216 Multicultural Perspective	M117 Algebra 1	S138 Biology	L163 German 1
E151 ESL - Transition	G236 Women's Studies	M147 Advanced Algebra	S221 Physical Science	L166 Spanish 1
E201 English 2	G262 World Affairs	M214 Plane & Solid Geometry	S233 Physical Science	L252 Chinese 2
E202 English 2	G331 American Studies	M217 Plane & Solid Geometry	S234 Earth Science	L262 French 2
E203 Speech 1	G336 American Studies – History	M218 Accelerated Plane & Solid Geometry	S332 Chemistry	L263 German 2
E204 Speech 2	G339 AP World History: Modern	M248 Advanced Geometry & Trigonometry	S333 Food & Nutrition Science	L266 Spanish 2
E205 Journal Writing 1	G341 United States History	M256 Intro to Computer Programming	S334 Astronomy	L276 Spanish Heritage Speakers
E207 Journal Writing 2	G342 United States History	M266 Applications of Computer Programming	S335 Geology	L352 Chinese 3
E208 English 2	G343 Psychology 1	M296 Geometry in Construction	S336 Environmental Studies	L362 French 3
E214 Advanced Topics in Literature	G349 AP Human Geography	M308 Advanced Algebra 2	S338 Accelerated Chemistry	L363 German 3
E301 English 3	G353 Psychology 2	M314 Algebra 2	S344 Astronomy 2	L366 Spanish 3
E302 English 3	G359 AP European History	M317 Algebra 2	S347/S647 Biology 2	L376 Spanish Heritage Speakers
E303 Rhetoric of Cinema	G365 Law & the Individual	M319 AP Computer Science Principals	S352 Forensic Science	L462/L662 French 4
E305 Advanced Reading	G369 AP United States History	M328 Accelerated Algebra 2/Pre-Calculus	S359 AP Physics 1	L466/L666 Spanish 4
E307 Creative Composition	G379 AP Psychology	M348/M647 Advanced Algebra 2/Pre-Calculus	S369 AP Physics 1 & 2	L476/L676 Advanced Topics Spanish
E317 Advanced Creative Composition	G441 Social Science Survey	M359 AP Computer Science A	S429 AP Environmental Science	L549 AP Chinese Language & Culture
E319 AP Language & Composition	G442 Social Science Survey	M408 Advanced Trigonometry & Pre-Calculus	S432 Physics	L559 AP French Language & Culture
E331 American Studies - English	G459 AP Microeconomics	M419 AP Statistics	S437/S637 Anatomy & Physiology	L569 AP German Language & Culture
E336 American Studies - English	G462 Intro Economics	M434 Data Modeling with Algebra	S439 AP Chemistry	L579 AP Spanish Language & Culture
E352 Rhetoric for Professional Pathways	G469 AP Macro Economics	M435/M635 Quantitative Literacy	S449 AP Biology	L589 AP Spanish Literature & Culture
E401 Modern World Literature	G472 Intro to Government & Civics	M436/M647 Statistics & College Algebra	S457 Advanced Topics in Science	W623 Intermediate Japanese 1
E402 English Literature Survey	G479 AP American Government & Politics	M437/M637 Calculus for Business & Social Sciences	S458 Advanced Chemistry	W624 Intermediate Japanese 2
E403 Senior Composition		M438 Trigonometry - Calculus A	S468 Advanced Physics	W625 Japanese Oral Practice
E404 English Literature Survey		M449 AP Calculus AB	S469 AP Physics Calculus C	OFF-CAMPUS/DUAL CREDIT
E405 Expo Composition		M459 AP Calculus AB	S478 Applications in Advanced Chemistry	W616 Intro to Criminal Justice
E411 Communication Skills		M468 Independent Computer Science		NON-DEPARTMENTAL COURSES
E419 Advanced Literature & Composition		M479 AP Calculus BC		R359 AP Seminar
E423 Intro to Rhetoric		M578/M678 Multivariable Calculus		R459 AP Research
E625 College Composition		M588/M688 Independent Study Math		

Student-athletes interested in pursuing athletic opportunities in college should discuss their interest with parents, coaches, and counselors. Prospective student-athletes must register with the NCAA Eligibility Center and meet academic eligibility standards as determined by NCAA. Complete details are available at

<https://www.ncaa.org> or www.ncaaeligibilitycenter.org.

Courses marked “NCAA Pending” within this guide have been submitted to NCAA Clearinghouse for approval as a core course. Approval was not received prior to the printing of this guide.

ELECTIVE COURSES

In addition to offering courses that meet high school graduation requirements, most departments offer elective courses that, if taken, assist a student with college admission requirements or other post-secondary academic preparation. Further, elective courses offer the student the opportunity to pursue special

interest areas within the curriculum. Advanced Placement courses are available in many academic departments, including portfolio assessment in Art. Work/study opportunities are available in Applied Technology, Business Education, Family and Consumer Sciences, and Special Education.

DUAL CREDIT PROGRAM

Selected courses in the curriculum have been designated as “dual” or “articulated credit.” These courses, designated as 600-Level courses, are offered as part of a curriculum collaboration with Harper College or other colleges as indicated. Dual credit allows a student to earn both college and high school credit simultaneously. Certain restrictions apply to these courses and interested students should see their high school counselor for details.

Additional information regarding how dual credit coursework may transfer to a variety of colleges can be found at <https://transferology.com>.

COURSE PLACEMENT

Results of aptitude and achievement tests and teachers’ recommendations are used by counselors to place individual students in courses. Students in general Level courses who do work above “C” may be transferred to a regular Level section of a course. Students in accelerated or honors Level courses who earn “C” or lower are usually recommended for movement to a regular Level section.

Entrance into the District Gifted Education Program is determined by performance on freshman placement tests and teacher recommendation. Based on this information, approximately five percent of incoming freshmen are invited into the gifted program. Please contact the student services director for information about the program and selection procedures.

CODING OF COURSES

A letter and three digits precede each course title in this curriculum guide. The letter indicates the department and the last digit indicates Levels of ability. Letter designations of each department are as follows:

A — Art & Media	P — Wellness/Driver Education
B — Business Education	R — Non-Departmental
C — Music	S — Science
E — English	T — Applied Technology
G — Social Studies	V — Vocational
H — Family and Consumer Sciences	W — Harper College Campus
L — World Language	
M — Mathematics	

The first digit of the three-digit sequence generally represents the earliest year in which a student is eligible to take the course (1-freshman; 2-sophomore; 3-junior; 4-senior; 6-college dual credit). The second digit has no intrinsic meaning. The third digit indicates the following:

- 0** Courses designed to strengthen basic fundamentals, skills, and concepts.
- 1** General education courses designed to improve skills while presenting a complete curriculum.
- 2-7** Regular education courses designed for most students, including those who plan on entering programs of advanced education or training after graduation.
- 8** Honors courses for students whose aptitude and achievement qualify them for intensive study at an increased pace.
- 9** Advanced Placement and Honors courses for the academically talented. Students in these courses are encouraged to take Advanced Placement tests which are the focus of A.P. Level courses.

As an example; E101 is a general Level English course, E102 is a regular Level English course, and E108 is an accelerated English course. Select dual credit courses have 5 digits which corresponds to the college course students may earn credit.

SUMMER SCHOOL

An annual summer school is available to all Township High School District 211 students, who may enroll for one or more of the following reasons:

1. To take courses that could not be scheduled during the regular school year.
2. To repeat a failed course or to take a different course to make up credit lost by failure.
3. To repeat a course for a higher grade ("*C*" is our lowest recommended grade on transcripts to colleges. The original course grade will be noted on the transcript).

Credit

A student may earn a maximum of one academic unit of credit during the session and an additional one-fourth unit of credit in Wellness per semester. Wellness is assigned one-half credits per semester.

Study Requirements

Each day of a summer class is equal to five day's work during the regular school year. Students must make up work immediately after an absence. Arranging for making up work is the student's responsibility.

Attendance

Since summer school is a concentrated program, **regular attendance is required**. Students absent the first two days of school will **not** be admitted into class in that semester. To receive credit, a student must be present on the last day of each summer school semester. A student who **accumulates** three

4. To give incoming freshmen and students between freshman and sophomore year the opportunity to take courses which qualify them for more advanced work (*Enrollment in these classes is through recommendation and invitation by the student services director, and enrollment may be required for some students*).
5. To earn credit for early graduation or to meet additional graduation requirements.

days of absence in a semester will lose credit and forfeit fees. A tardy (arriving within one hour of the school starting time) is recorded as one-half day of absence. If a student is more than one hour late, a full absence will be charged. Students arriving late or leaving early must check in or out at the summer school office. Summer vacations should **not** be scheduled during the summer school period.

School Regulations

Summer school is an academic enrichment program for students who desire additional learning opportunities. Rules are enforced to consistently maintain an atmosphere conducive to learning. A student may be dismissed from summer school immediately for tobacco use, truancy, excessive tardiness, controlled substance abuse, and acts of gross misconduct. There will be no exceptions to the rules of conduct or attendance. Dismissal from summer school will result in forfeiture of credit and fees.

ALTERNATIVE HIGH SCHOOL

Residents of Township High School District 211 age 17 and over who have not completed high school and are no longer enrolled in school may earn a diploma in the evening at the Alternative High School. Classes are held Monday through Thursday evenings during the school year. For information and fee structure, contact the Continuing Education Office at (847) 755-6722.

EVENING MAKE-UP COURSES

High School District 211 offers several evening make-up courses for seniors who need them for graduation. Students should consult their counselor for information regarding these courses.

APPLIED TECHNOLOGY



ADVANCED MANUFACTURING TECHNOLOGY

T144
Manufacturing Technology
1/2 Unit Levels 1,2,3,4

T244/T642
Advanced Manufacturing Technology 1
1 Unit Levels 2,3,4

T234/T634
Computer Aided Manufacturing
1 Unit Levels 2,3,4

T344/T643
Advanced Manufacturing Technology 2
1 Unit Levels 3,4

CARPENTRY/BUILDING CONSTRUCTION

T144
Manufacturing Technology
1/2 Unit Levels 1,2,3,4

T296/M296
Geometry in Construction
2 Units Levels 2,3

T245
Woodworking Technology
1 Unit Levels 2,3,4

T346/T646
Building Construction
2 Units Levels 3,4

T347
Woodworking Technology Independent Study
1 Unit Levels 3,4

T446/T647
Building Construction Independent Study
2 Units Level 4

T447
Woodworking Technology Independent Study
1 Unit Levels 3,4

AUTOMOTIVES

T134
Engine & Power Technology
1/2 Unit Levels 1,2,3,4

T235
Automotive Technology 1
1 Unit Levels 2,3,4

T336/T636
Automotive Technology 2
1 Unit Levels 3,4

T437
ASE Automotive Independent Study 3
1 Unit Level 4

T487
ASE Automotive Independent Study 4
1 Unit Level 4

COMPUTER AIDED DESIGN

Architecture, Engineering, Animation

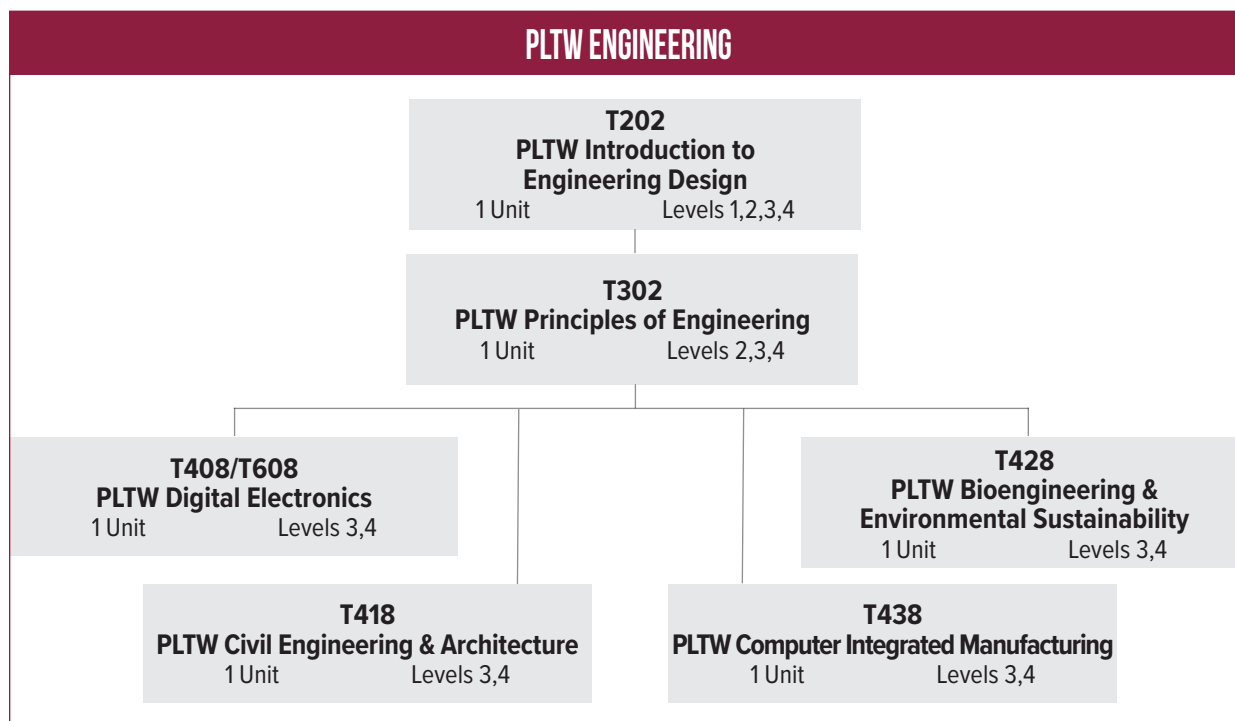
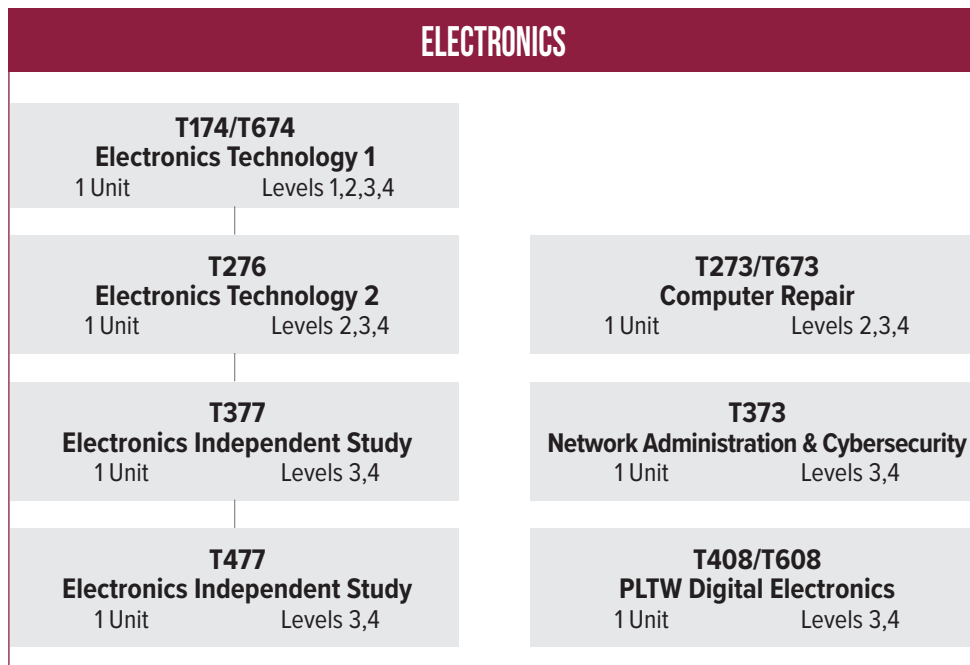
T166
Architecture, Animation & Engineering Design I
1 Unit Levels 1,2,3,4

T266
Architecture, Animation & Engineering II
1 Unit Levels 1,2,3,4

T366
Architecture, Animation & Engineering IS I
1 Unit Levels 3,4

T466
Architecture, Animation & Engineering IS II
1 Unit Level 4

APPLIED TECHNOLOGY (CONT.)



APPLIED TECHNOLOGY

Applied Technology courses are designed to give students an exposure to technical environments and their applications in the modern work world. Through careful selection, students may explore areas of career interest. Many courses in the Applied Technology field are accepted as electives for college admission.

T130 APPLIED TECHNOLOGY EXPLORATION

Level: 1,2

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is designed to help students with special needs acquire skills to be successful. Emphasis will be placed on basics such as: organizational skills, measuring, reading working drawings, shop safety, basic math, tool identification and usage, and following a sequential plan of action. This class is organized to provide for small group and individualized instruction with class projects varying depending on student's abilities.

T134 ENGINE & POWER TECHNOLOGY

Level: 1,2,3,4

One-half year

One-half unit

Students will gain an understanding of the operation of piston engines, basic electrical circuits, hydraulic, and pneumatic principles with emphasis on small engine repair. Hands-on experience includes the opportunity to participate in the repair of a variety of small engines.

- *Recommended but not a PREREQUISITE for T235.*

T144 MANUFACTURING TECHNOLOGY

Level: 1,2,3,4

One-half year

One-half unit

Manufacturing Technology is a lab oriented class in which several materials including wood, metal, and plastic will be used for both custom-made and mass produced products. Students will use a variety of hand and power tools as they learn about modern production technology.

- *Recommended but not a PREREQUISITE for T244/T642.*

T166 ARCHITECTURE, ANIMATION AND ENGINEERING DESIGN I

Level: 1,2,3,4

One year

One unit

In the T166 course, students will be exposed to three different content areas: engineering, architecture, and animation. Students will be using Autodesk Inventor to learn about engineering drafting in both 2D and 3D environments. Students will create, develop, and test the function of their designs within the engineering software. Students will utilize Chief Architect for the architectural portion of the class in which they will focus on residential floor plan design. Students will learn about traffic

flow, the three main areas of a home, proper design of homes, building codes and many other architecture related topics. Finally, in animation students will use Autodesk 3D Studio Max in which they will create animations of their creations they developed in both engineering and architecture. This will include students creating several short length animations.

T174/T67402 ELECTRONICS TECHNOLOGY 1

Level: 1,2,3,4

One year

One unit

This course is designed for students interested in electronics technology, digital communications, audio technology, industrial technology applications, and electronic design. Students will study safety, basic components and symbols, electrical fundamentals, instrumentation, circuit analysis, semiconductor applications, and digital technology. Students will assemble and analyze electronic circuits including power supplies, oscillators, amplifiers, and digital circuits. Emphasis is placed on problem solving and teamwork in a lab environment.

HARPER CREDIT COURSE

- *T67402: ELT110 Introductory Electronics, 4 college credit hours.*

T202 PLTW INTRODUCTION TO ENGINEERING DESIGN

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Concurrent enrollment in M117 Algebra 1 or higher or department chair recommendation.*

The Project Lead the Way (PLTW) course, Introduction to Engineering Design, is an interdisciplinary study with an emphasis placed on learning the design development process. Students utilize their creativity to collaborate with other students through distance learning projects. In this course students develop the essential skills that engineers rely on everyday such as patent research, working with team members, hand-sketching, and proper engineering documentation with team members. Students apply the Design Loop to innovate and invent products in a continuous improvement model. State of the art technology including Autodesk's Inventor, ANSYS, 3D Printing and ShopBot industrial automation, is used to allow students an opportunity to create prototypes and mock-ups of their individual and team solutions.

- *With successful completion of end-of-course assessment, student may obtain college credit.*

T234/T63401/T63402 COMPUTER AIDED MANUFACTURING

Level: 2,3,4

One year

One unit

This is a Computer Aided Design and Computer Aided Manufacturing course (CAD/CAM). CAD/CAM software is used to design and manufacture prototypes, finished products, and production runs. An integrated CAD/CAM system offers one complete solution for design through manufacturing. Students will be designing, programming, and manufacturing parts through the use of Autodesk Inventor and Haas CNC machines.

HARPER CREDIT COURSE

- T63401: MFT210 Computer Integrated Manufacturing, 3 college credit hours.
- T63402: MFT220 Computer Aided Manufacturing, 3 college credit hours.

T235 AUTOMOTIVE TECHNOLOGY 1

Level: 2,3,4

One year

One unit

Auto Technology 1 covers theory of operation and care of the basic components of the modern automobile. Areas of study include engines and engine systems, brakes, and suspensions. Hands-on activities consist of working with actual automotive parts and work on live cars. This course is a PREREQUISITE for T336 Auto Technology 2 and stresses entry Level job skills. It is recommended for students interested in becoming an automotive technician, as well as for those who wish to learn basic automotive repair for personal use.

- ASE Certification and Program.

T244/T64201/T64202 ADVANCED MANUFACTURING TECHNOLOGY LEVEL 1

Level: 2,3,4

One year

One unit

PREREQUISITE

- T64202: Completion of T64201 with a grade of "C-" or higher.

Students will work towards industry standard certifications in the area of precision machining based on the National Institute of Metalworking Skills (NIMS). Students will develop the skills and knowledge that employers want when hiring people in the manufacturing industry. Students will be prepared to take the NIMS Job Plan Benchmark credential test. Students will be learning and operating industry standard CNC machines that cut steel.

HARPER CREDIT COURSE

- T64201: MFT105 Machine Processes I, 2 college credit hours.
- T64202: MFT120 Machine Processes II, 3 college credit hours.

T245 WOODWORKING TECHNOLOGY

Level: 2,3,4

(Level 1 with instructor approval)

One year

One unit

Woodworking Technology is designed for the beginning to intermediate student. This one-year course includes instructional units in safety, layout and measurement, equipment and processes, cabinet making, furniture construction, lathe turning, and career/consumer awareness. These hands-on units are geared for preparing students for future courses as well as helpful household knowledge of wood working procedures. Project material fees are required and vary with the various project selections.

T266 ARCHITECTURE, ANIMATION & ENGINEERING II

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Computer Aided Drafting and Graphics T166.

In the T266 course, students will further their knowledge in the three content areas: architecture, engineering, and animation. The first semester will be broken down into a series of 6 week sessions, touching base on each of the three content areas. The engineering session focuses on complex assemblies and specialty views. The architecture session focuses on architectural home styles, the reading of plan sets, and framing. The animation session focuses on continuing students' ability to model, set cameras, and create more detailed short length animations. During second semester students are able to pursue the field of their choice. During this period students will continue to advance their knowledge working on student-selected large scale projects.

T276 ELECTRONICS TECHNOLOGY 2

Level: 2,3,4

One year

One unit

PREREQUISITE

- Successful completion of T174 Electronics Technology 1 and "C" or higher in M114 Algebra 1 or instructor's approval.

Students will become familiar with analyzing, aligning, troubleshooting, and servicing most common types of electronic circuits. They will study areas of electronics such as amplification, solid-state circuitry, digital circuitry, FM stereo, and basic problem solving techniques. Students will build advanced projects and analyze and evaluate a variety of laboratory experiments. Emphasis is on the theory of electronic circuits and a systematic approach to troubleshooting.

T273/T67301/T67302 COMPUTER REPAIR

Level: 2,3,4

One year

One unit

PREREQUISITE

- T273/T673 - M117 Algebra or equivalent; and
- T67301 - Completion of T27203 (NET105) IT Fundamentals summer school course recommended with "C-" or higher OR passing Harper competency exam while enrolled in T273/T673 (NET111) by September 30.
- T67302 - Completion of T67301 (NET111) with a grade of "C-" or higher.

This course is designed for students interested in computer repair. Students will have hands on experience servicing Windows-based computers. Areas of computer study include: construction, disassembly and assembly, installation and configuration of operating systems, modifying and upgrading of circuits, MS-DOS, Windows, and utilities. Students will have learning opportunities in the areas of: safety and preventative maintenance, removal and installation of field replaceable units, backing up and restoring files, configuration and utilization of video circuits, Windows, modems, I/O addresses, interrupt request lines, direct memory access, network interface cards, network connections, and the diagnosing/troubleshooting of malfunctioning systems. *Completion of this course will prepare students to earn Comp TIA A+ certification.*

HARPER CREDIT COURSE

- T67301: NET111, A+ Hardware, 3 college credits.
- T67302: NET112 Operating Systems Technologies, 3 college credits.

T296 GEOMETRY IN CONSTRUCTION

Level: 2,3

One year

One unit

The purpose of this course is to have students experience putting geometry into action by building real world construction projects. Geometry in Construction is taught by both Math and Applied Technology teachers. This interdisciplinary course integrates geometry and construction topics through the building of significant construction projects. The goal is to provide students with a better understanding of both the geometry and the construction content taught in the Math department and prepares students for the subsequent Math courses. Students will gain hands-on, real-world experience in different areas of construction. Additional emphasis is given to teamwork, problem-solving, and the promotion of employable attributes.

- *This is a double-period course that offers both a Math credit and an Applied Technology credit.*

T302 PLTW PRINCIPLES OF ENGINEERING

Level: 2,3,4

One year

One unit

PREREQUISITE

- T202 Introduction to Engineering Design or Department Chair approval.

PLTW Principles of Engineering is the course that follows T202 Introduction to Engineering Design in the Project Lead the Way sequence. This course uses project-based, hands-on experiences to teach students the key elements and skills of engineering and technology-based careers. Concepts in this course include communication and documentation, design processes, engineering systems, statics and strength of materials, materials and material testing in engineering, engineering for reliability, and kinematics. This course explores technology systems and manufacturing processes and addresses the social and political consequences of technological change. The applications of physics, trigonometry, and applied sciences are integrated in the course to solve engineering problems. Autodesk Inventor is a computer aided design (CAD) program that will be utilized to assist in completion of projects.

- *With successful completion of course assessment, student may obtain college credit.*

T336/T63602 AUTOMOTIVE TECHNOLOGY 2

Level: 3,4

One year

One unit

PREREQUISITE

- Completion of T33601 with C- or better.

Auto Technology 2 deals with testing, adjustment, repair and replacement of various components of the automobile. Students study troubleshooting and the use of test equipment including engine analyzers, computer scanners, pressure testers, and emission analyzers. They gain experience in engine mechanical diagnosis and servicing, fuel injection and emission control service, electrical testing, brake repair, alignment, transmission work, and air conditioning service. Time will be split between classroom and lab activities. Students may bring vehicles into the lab for maintenance, testing, and repair when related to planning class activities. ASE Certification and Program.

TRITON CREDIT COURSE

- T63602: AUT112 Intro to Auto Tech, 3 college credits.

T344/T64301/T64302 ADVANCED MANUFACTURING TECHNOLOGY LEVEL 2

Level: 3,4

One year

One unit

PREREQUISITE

- T64301: Completion of T64202 with a grade of "C-" or higher.
- T64302: Completion of T64301 with a grade of "C-" or higher.

Manufacturing is at the root of the US economy. With 60,000 unfilled manufacturing jobs in Illinois the opportunity for America's youth is bright in the manufacturing industry. The National Institute of Metalworking Skills (NIMS) is a nationally recognized standard in preparing students for career opportunities. Students will operate advanced equipment and computer software by completing NIMS projects. In this hands-on project based course students will work on a daily basis in the manufacturing lab environment.

HARPER CREDIT COURSE

- T64301: MFT121 Machining Process III, 3 college credit hours.
- T64302: MFT123 Introduction to CNC Machining, 4 college credit hours.

T346/T64602 BUILDING CONSTRUCTION

Level: 3,4

One year

Two units

PREREQUISITE

- Completion of T34601 with C- or better.

While participating in the construction of a house, students become familiar with all stages of construction from site preparation to interior finish work. This may include the following skills: carpentry, siding, roofing, drywall, electrical, plumbing, heating, painting and staining, various flooring applications, cabinet installation, and finish trim work. Transportation to the construction site is provided.

TRITON CREDIT COURSE

- T64602: COT106 Rough Carpentry, 3 college credit hours.

T347/T447 WOODWORKING TECHNOLOGY INDEPENDENT STUDY

Level: 3,4

One-half to two years

One-half unit per semester

PREREQUISITE

- Instructor's approval and successful completion of T245 Wood Technology.

These courses will allow students who are interested in pursuing a career in the field of woodworking to gain additional knowledge and experience in an area of particular interest. With the help and supervision of the instructor, students explore in-depth such areas as cabinet making, building construction, wood technology, laminating, and bending or other related areas. Students working on independent study projects must show

personal initiative and self-direction in developing goals and carrying out plans. Research, experimentation, project construction and report writing are among appropriate student activities.

T366, T466 ARCHITECTURE, ANIMATION, & ENGINEERING INDEPENDENT STUDY I & II

Level: 3,4

One-half to two years

One-half unit per semester

PREREQUISITE

- Instructor's approval and successful completion of T266 Architecture, Animation, and Engineering II.

Students who want to further their drafting skills and gain additional experience in industrial related computer aided drafting are encouraged to enroll. Individualized work in selected areas of industrial drafting is planned with the instructor. This is an opportunity for students to become more self-directed in developing skills in an area of their choice.

- Course content allows preparation for Autodesk Certification test

T373 NETWORK ADMINISTRATION AND CYBERSECURITY

Level: 3,4

One year

One unit

PREREQUISITE

- T273 Computer Repair or department chair approval.

This course provides students with the instruction necessary to install, configure, and troubleshoot an enterprise-level computer network. It introduces current networking standards, the OSI Model, various protocols and topologies, the interconnections between various hardware components, network operating systems, DNS, DHCP, TCP/IP, Ethernet, wired and wireless transmission, LAN, WAN, intranet, and security. Students will be introduced to practical solutions for identifying, assessing, and preventing external and internal cyber security threats to networks. Key components include authentication methods, communication security, infrastructure security, cryptography basics, and security implementation.

- Completion of this course will prepare students to earn Comp TIA-Network+ and security++ certifications.

T377, T477 ELECTRONICS INDEPENDENT STUDY

Level: 3,4

One-half to two years

One-half unit per semester

PREREQUISITE

- *Instructor's approval and successful completion of T276 Electronics Technology 2.*

Electronics Independent Study allows students who are interested in pursuing a career in the field to gain additional knowledge and experience. With the instructor as a resource, students may explore areas such as television, industrial circuitry, digital circuitry, and circuit design in-depth. Students must possess a degree of initiative and self-direction. With the assistance of the instructor, they will develop goals and plan activities and projects which can be carried out on their own initiative. Research, experimentation, project construction, and report writing are among appropriate student activities. With the instructor's approval, planned activities may take place outside of the classroom.

T408/T60802 PLTW DIGITAL ELECTRONICS

Level: 3,4

One year

One unit

PREREQUISITE

- *T408: Completion of T302 with "C-" or higher or department approval.*
- *T60802: Completion of T174 (ELT110) with "C-" or higher or Harper Coordinator approval with PLTW coursework with "C-" or higher.*

This is a year-long honors course in laboratory electronics. This course covers digital electronics, starting with logic Levels, truth tables, gates, flip-flops, registers, and counters. An emphasis is placed on the implementation of interfaces between analog and digital electronics, particularly when controlling and recording the results of typical engineering experiments. Students will make extensive use of the LabVIEW, Multi-Sim and other engineering software as a means of communication between a computer and external hardware. An independent project of the student's design will serve as a semester culminating activity. Digital Electronics is a foundation course for those considering careers in computer science, electric engineering, software engineering, hardware engineering, as well as other fields of engineering. *This class is a part of the PLTW Engineering sequence.*

HARPER CREDIT COURSE

- *T60802: ELT203 Digital Electronics, 4 credit hours.*

T418 PLTW CIVIL ENGINEERING AND ARCHITECTURE

Level: 3,4

One year

One unit

PREREQUISITE

- *Successful completion of T302 Principles of Engineering or the approval of the Department Chair.*

Civil Engineering and Architecture (CEA) is the study of the design and construction of residential and commercial building projects. This honors course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. The major focus of the CEA course is to expose students to the design and construction of residential and commercial building projects, design teams and teamwork, communication methods, engineering standards, and technical documentation. Students will analyze, design, and build electronic and physical models of residential and commercial facilities. While implementing these designs students will continually hone their interpersonal skills, creative abilities, and understanding of the design process. Students will use state of the art software, as used in the industry, to aid in the design process.

- *With successful completion of end-of-course assessment, student may obtain college credit.*

T428 PLTW BIOENGINEERING & ENVIRONMENTAL SUSTAINABILITY

Level: 3,4

One year

One unit

PREREQUISITE

- *Successful completion of T302 Principles of Engineering or the approval of the Department Chair.*

In this honors course students explore the diverse fields of biotechnology. Hands-on projects engage students in engineering design problems related to biomechanics, cardiovascular engineering, genetic engineering, tissue engineering, biomedical devices, forensics and bioethics. Students, usually at the 11th and 12th grade Level, apply biological and engineering concepts to design materials and processes that directly measure, repair, improve and extend living systems.

- *With successful completion of end-of-course assessment, student may obtain college credit.*

T437 ASE AUTOMOTIVE INDEPENDENT STUDY 3

Level: 4

One-half or one year

One-half or one unit

PREREQUISITE

- *Instructor's approval and successful completion of T336 Auto Technology 2.*

The Township High School District 211 Automotive Technology program is certified by the ASE Alliance.

T438 PLTW COMPUTER INTEGRATED MANUFACTURING

Level: 3,4

One year

One unit

PREREQUISITE

- *Successful completion of T302 Principles of Engineering or the approval of the Department Chair.*

How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions in this honors course, they're learning about the history of manufacturing, robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems.

- *With successful completion of end-of-course assessment, student may obtain college credit.*

T446/T64702 BUILDING CONSTRUCTION INDEPENDENT STUDY

Level: 4

One year

Two units

PREREQUISITE

- *Instructor approval and completion of T64602 with C- better **AND** T34701 with C- or better.*

Through this course, students are given the opportunity to participate in a second building construction project, through which they can gain additional expertise in the planning and building of a house. Second-year students are given the opportunity to strengthen areas of weakness and to serve as lead carpenters in areas where they have developed confidence and expertise.

TRITON CREDIT COURSE

- *T64702: COT206 Carpentry: Finished Carpentry, 3 hours.*

T487 ASE AUTOMOTIVE INDEPENDENT STUDY 4

Level: 4

One-half or one year

One-half or one unit

PREREQUISITE

- *Instructor's approval, successful completion of T336 Auto Technology 2 and concurrently enrolled in T-437 NATEF Automotive Independent Study 3.*

The Township High School District 211 Automotive Technology program is certified by the ASE Alliance. ASE certification helps prepare students for post-secondary education, the workplace, and for Automotive Service Excellence (A.S.E.) exams.

This course allows students who are interested in a career in automotive repair and maintenance to gain additional knowledge and experience in an area or areas of particular interest. Each student, with the help and supervision of the instructor, will work to complete ASE tasks of increasing degrees of difficulty in brakes, electrical/electronic systems, engine performance, and suspension and steering. Students working on independent study projects must show personal initiative and self-direction in developing goals and carrying out plans. Students will use industry standard research software to troubleshoot and service vehicles. ASE Certification and Program.

ART & MEDIA



POSSIBLE COLLEGE & CAREER PATHS	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR		
Sculptor, Model Maker, Industrial Designer, Potter, Toy Designer, Set Designer, FX Designer for Film and Television	A252 Levels 1-4 3D Design 1	A352 Levels 2-4 3D Design 2	A487 Levels 3-4 3D Design Studio	A489 Levels 3-4 AP 3D Arts		
Graphic Designer, Flash Designer, Illustrator, Web Designer, Production Artist, 3D Modeler, Interactive and App Designer, Motion Graphics Designer, Visual Effects Artist, Web Content Developer, Video Editor, Digital Photographer, Photo Journalist, Wedding Photographer, Sports Photographer, Video Game Development	A195 Level 1-4 Digital Media Arts 1	A196 Level 1-4 Video & Animation 1	A255 Level 2-4 Photo 1	A355 Level 2-4 Photo 2	A467 Levels 3-4 2D Studio Photography	A499 Level 4 AP 2D Design
			A295 Level 2-4 Digital Media Arts 2: Video Game Design & Interactive Media	A296 Level 2-4 Video & Animation 2: Visual FX and Production	A397 Levels 3-4 Digital Art Studio	A497 Level 3-4 Advanced Media Arts Studio
Illustrator, Graphic Designer, Medical Illustration, Cartooning, Printmaking, Silk Screen Printer, Concept Artist	A152 Level 1-4 Painting, Drawing, & Printmaking 1	A233 Level 2-4 Graphic Design I	A234 Level 2-4 Graphic Design II	A356 Level 2-4 Painting, Drawing, and Printmaking Studio	A599 Level 3-4 AP Painting, Drawing and Printmaking	A499 Level 3-4 AP Media Arts
		A253 Level 2-4 Painting, Drawing, & Printmaking 2	A254 Level 2-4 Painting, Drawing, & Printmaking 2			
These courses are intended to enrich any curricular area.		A256/A65603* Level 2-4 Art in Contemporary Society	A399 Level 2,3,4 AP Art History			

**Students may have the opportunity to earn college credit.*

ART & MEDIA

High School District 211 offers unique learning opportunities in the field of visual arts. A stimulating selection of elective courses in a carefully planned curriculum prepares young students for a successful art experience or a career in art. The success of this program lies in its diversity. Whatever background, previous experience, or skill Level, students are encouraged and inspired to expand their abilities and interests in art. During the initial year in the foundations Level, students will explore a variety of concepts, a range of techniques, and experiment with diverse materials to encourage individual growth. The art education of a high school student is a series of learning experiences that incorporate thinking, questioning, and creating simultaneously. Students can move through the program based on their skills and interests. In their senior year, art majors will prepare a portfolio for entry into an art profession or college scholarship. One year of art can be used to fulfill a graduation requirement.

A100 FINE ARTS

Level: 1,2,3,4

One to four years

1/2 to 1 unit per year

PREREQUISITE

- *Placement by staff conference recommendation.*

This course is designed to teach students in the areas of art, music, dance and drama through participation in realistic hands-on experiences. Basic objectives and skills will be met through appropriate activities designed for the student's Level of capability.

A152 PAINTING, DRAWING, AND PRINTMAKING 1

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Student must receive a passing grade in the first semester of this course in order to continue for the second semester.*

Are you creative? Would you like to learn how to be? Are your notebooks covered in drawings? In this course, students develop creativity, design, and technical skills basic to the visual arts and numerous creative careers. A wide variety of engaging art techniques and materials are introduced in the study of painting, drawing, and Printmaking. You will learn to draw more realistically, mix and apply paint and print images like posters or t-shirts. This full-year course is a great art foundations course and the introduction to the Painting, Drawing and Printmaking curricular path. No experience necessary!

A195 DIGITAL MEDIA ARTS 1

Level: 1,2,3,4

One-half year

One-half unit

Digital Media Arts 1 is the beginning Level course and introduction to digital arts and imaging. Students will begin to learn key concepts and basic skills involving digital photography and imaging, digital illustration/vector, graphic design, raster/bitmap imagery, virtual worlds, motion graphics, and game design. Lessons will be geared towards learning tool and techniques basics using industry standard software such as Photoshop, Illustrator, Final Cut Pro, and Unity as students

investigate the essentials of interactive media. No experience necessary. This introductory semester course is suggested as a pairing with the introductory semester course A196 Video and Animation.

A196 VIDEO AND ANIMATION 1

Level: 1,2,3,4

One-half year

One-half unit

Video and Animation is the beginning Level course and introduction to the essentials of video and animation techniques. Students will use industry standard digital tools such as Photoshop and Final Cut Pro to create artworks in video, audio, 2D animation, 3D animation, motion graphics, and visual effects. Students will work in both real and virtual environments as they develop essential skills in visual communication, digital storytelling, videography, design, and animation. No experience necessary. This introductory semester course is suggested as a pair with the introductory semester course A195 Digital Media Arts.

A233 GRAPHIC DESIGN 1

Level: 2,3,4

One-half year

One-half unit

Explore the creative and useful field of graphic design and visual communication in this digitally based course. Apply your art skills and experience and discover their use in a potential career. Digital graphic design skills produce strong and clearly communicated images that inform, persuade, and command attention. This course familiarizes the student with current methods, techniques, and technology employed in the field of advertising to develop a student portfolio. Graphic design is structured to emulate a professional setting and offers exposure to graphic design related careers.

A234 GRAPHIC DESIGN 2

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- *A233 Graphic Design 1 (A,B,C) or Department Approval.*

Enroll in this digitally based course as a continued professional avenue to the graphic design and advertising industry. You will develop a portfolio that reflects the essential blend of traditional graphic design and digital skills. Learn production and industry standard computer applications, as well as creative marketing and advertising techniques. Included are such topics as branding, identity development, self-promotion, and web banner advertising. Study the relationship between products, services, features, and benefits to potential markets.

A252 THREE-DIMENSIONAL DESIGN 1

Level: 1,2,3,4

One year

One unit

This course provides the student with introductory knowledge of three-dimensional design skills and techniques in the lab setting. The qualities of various materials, such as ceramics, plaster, fiber, wood, lost wax, casting, and metal fabrication are investigated and applied in the development of 3D art creations that are usable and wearable. Providing step-by-step demonstrations helps student acquire sound skills. One-on-one guidance facilitates artwork design and quality. Students must receive a passing grade in the first semester of this course in order to continue for the second semester.

A253 PAINTING, DRAWING AND PRINTMAKING 2

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- *A152 Painting, Drawing, and Printmaking 1 (A,B,C) or Department Approval.*

In Painting, Drawing and Printmaking 2, students will continue to increase their technical and creative skills. Students will explore advanced techniques through the use of various processes and media. Painting, Drawing and Printmaking 2 students will increase their art making confidence by developing essential rendering and quality composition skills to include landscapes, imaginative subjects, portrait, and figure studies. The student's confidence increases as their hand/eye coordination improves. This semester course is suggested as a pairing with the semester course A254 Painting, Drawing and Printmaking 2.

A254 PAINTING, DRAWING AND PRINTMAKING 2

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- *A152 Painting, Drawing, Printmaking 1 (A,B,C) or Department Approval.*

This course is the second half of the Level 2 Painting, Drawing, and Printmaking sequence. Students will continue to build upon their technical and creative skills. This class uses Printmaking, drawing, and print media as a way of exploring how to combine those various media and techniques to allow the student to develop imagery with a personal thematic approach. Course work increases a student's ability to effectively use composition to create the illusion of reality on a two-dimensional surface. This semester course is suggested as a pairing with the semester course A253 Paint, Drawing and Printmaking 2.

A255 PHOTOGRAPHY 1

Level: 2,3,4

One-half year

One-half unit

Photography 1 introduces professional camera techniques. During this one semester digitally based course, students capture and create photographic images. Photography communicates ideas and document events. The creation of unique photographic images acts as a window to personal experience. Information regarding photographic careers will add direction and focus. Most materials, technology, and equipment are supplied. No experience necessary. This introductory semester course is suggested as a pairing with the introductory semester course A355 Photo 2.

A256/A64503 ART IN CONTEMPORARY SOCIETY

Level: 2,3,4

One-half year

One-half unit

Art in Contemporary Society presents the influences of the Arts in a chronological perspective. This course examines the role that dance, drama, music, and the visual arts play in society. Through discussion, critique, and interpretation of the arts, students explore the relationship between contemporary and historical events. No experience necessary.

HARPER CREDIT COURSE

- *A65603: A105 Introduction to Arts, 3 credit hours, IAI F2 900.*

A295 DIGITAL MEDIA ARTS 2: VIDEO GAME DESIGN AND INTERACTIVE MEDIA

Level: 2,3,4

One half-year

One-half unit

PREREQUISITE

- *A195 Digital Media Arts 1 (A,B,C) or Department Chair Approval.*

Video Game Design and Interactive Media is the second course in the Digital Media Arts course sequence. It gives students the opportunity to get hands on experience in the ever-growing field of Digital Art. Students will use industry standard programs such as Final Cut Pro, Unity, and Z Brush to learn skills in developing artworks in 3D modeling, 3D animation, virtual worlds, 2D animation, augmented reality, interactive art, digital imaging, and introduction to video game creation.

A296 VIDEO AND ANIMATION 2: VISUAL EFFECTS AND PRODUCTION

Level: 2,3,4

One half-year

One-half unit

PREREQUISITE

- *A196 Video and Animation 1 (A,B,C) or Department Chair Approval.*

Visual Effects and Production is the second course in the Video and Animation course sequence. Students will advance their understanding of video and animation techniques as they produce digital video, 2D animation, and 3D animation artworks. Students will use industry standard software such as Photoshop and Final Cut Pro as they develop visual communication and narrative skills using digital art techniques. Students will extend their creative potential as they explore compositing, green screening, and other special effects in video, while developing skills in animation and motion graphics such as motion tracking and using virtual cameras.

A342 BROADCAST MEDIA

Level: 1,2,3,4

One year

One unit

This one-year course is designed for the study and practice of the basic elements of broadcast journalism and video production. The course will emphasize news-gathering, writing, video recording, editing, and the study of mass media. Students will learn the basic elements of news value and vocabulary specific to broadcast writing. They will also identify various news sources and use interview skills to create stories using video editing, and live-streaming software. This course explores the world of digital video and television production with the possibility of creating a school centric television channel that will highlight school events and create a place for original student produced content in addition to the news broadcast. Students will be able to learn on professional equipment in a

modern digital TV studio. Students work in collaborative teams to produce projects using cameras, while learning the basics of studio and field production, lighting and sound.

A352 THREE-DIMENSIONAL DESIGN 2

Level: 2,3,4

One year

One unit

PREREQUISITE

- *A252 Three-Dimensional Design 1 (A,B,C) or department chair approval. Students must receive a passing grade in the first semester of this course in order to continue for the second semester.*

This course expands upon the basic 3-D design skills and techniques introduced in A252 Three-Dimensional Design 1. Additional opportunities available to students include: wheel-throwing clay to form pottery; casting and soldering metal to create jewelry; and using additive and subtractive techniques in chosen materials such as plastic, metal, paper, clay, fiber, and wood to create sculptures. Students view artwork by recognized professional sculptors and craftsmen and learn about 3D art-related careers.

A355/A65503 PHOTOGRAPHY 2

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- *255 Photography 1 (A,B,C) or Department Approval.*

Photography 2 builds upon skills required in Photography 1 by extending and expanding a student's experience in camera and printing techniques. Beyond fundamental materials and processes, Photography 2 places more emphasis on the conceptual and expressive qualities of the photographic image. Students produce a portfolio of finished photography that reflects the skills mastered. Most materials, technology, and equipment are supplied.

HARPER CREDIT COURSE

- *T65503: A250 Introduction to Photographic Art, 3 college credit hours.*

A356 PAINTING, DRAWING, AND PRINTMAKING STUDIO

Level: 2,3,4

One year

One unit

PREREQUISITE

- *A253 Painting, Drawing and Printmaking 2, and/or A254 Painting, Drawing and Printmaking 2 (A,B,C) or Department Approval.*

Painting Drawing and Printmaking 3 will prepare students for the rigor of the AP art courses in the 400 and 500 Levels. Students will begin to master various technical skills while integrating observational life drawing, personal context and issues in contemporary society. Students begin to build a portfolio that showcases their art making abilities in a variety of drawing, painting and Printmaking media. This portfolio can be used for scholarship, college application or career opportunity. Students will synthesize techniques, processes, and concepts in an increasingly mature manner. Developing an awareness of content, symbolism, and theme in traditional and contemporary artworks, students evaluate and critique their work and the work of others. Students formulate original ideas, personal expressive style, and direction for future art work.

A397 DIGITAL ART STUDIO

Level: 3,4

One year

One unit

PREREQUISITE

- *A295 Digital Media Arts II: Video Game Design and Interactive Media, A296 Video and Animation II: Visual Effects and Production, A234 Graphic Design II; (A,B,C) or Department Chair Approval.*

Digital studio is the third step in the Digital Media Arts and Video and Animation sequence. Students will work in a wide variety of advanced digital applications to create work that integrates their current skill sets with the current use of technology in the Arts. Multimedia production may include digital illustration, animation, video, webpage design, iPad app design, interactive arts, game design, and digital photography. A comprehensive portfolio will be developed emphasizing a variety of technical skills and advanced creative thinking. Students will work in teams on larger scale projects, as they take on roles reflective of potential college and career paths in digital media.

A399 ADVANCED PLACEMENT ART HISTORY

Level: 2,3,4

One year

One unit

AP Art History is a full-year elective course, which prepares students for the AP Art History Exam. The curriculum supports visual literacy by providing a deep understanding of social, political, historical, and cultural events spanning world history, from prehistoric art to art of the post-modern 21st century.

A442 BROADCAST MEDIA INDEPENDENT STUDY

Level: 2,3,4

One year

One unit

PREREQUISITE

- *A342 Broadcast Media.*

Broadcast Media Independent Study is a continuation of the A342 Broadcast Media curriculum path. Students who are interested in careers in broadcast journalism and have completed A342 will be given the opportunity to expand their knowledge and practice of news reporting and visual communication. Students take on more responsibility as producer and director of sophisticated news stories. Collaborative teams will continue to produce projects using cameras, computers, lighting, and audio equipment while using knowledge of studio and field production in a professional broadcasting studio. By the end of this course you will have a professional demo reel to pursue scholarship and career opportunities. This course may be taken repeatedly for credit.

A467 TWO-DIMENSIONAL STUDIO/PHOTOGRAPHY

Level: 3,4

One year

One unit

PREREQUISITE

- *A355 Photography 2 or Department Chair Approval.*

This course offers training and experience in advanced digital photographic techniques. Advanced camera techniques, studio lighting, quality composition, and work ethic are emphasized. Students are encouraged to use special techniques and creative expression. The outcome is a comprehensive portfolio that reflects a student's artistic and technical achievement. Most materials, technology, and equipment are supplied.

A487 THREE-DIMENSIONAL STUDIO

Level: 3,4

One year

One unit

PREREQUISITE

- *A352 Three-Dimensional Design 2 or Department Chair Approval.*

Three-Dimensional Design Studio offers each student the opportunity to work in a variety of sculptural media, which may include work in metal, ceramic, textile, wood, and plaster. With the guidance of the instructor, each studio student develops an individualized course of study with timeline's providing advanced experience in one or more areas of three-dimensional art. While concentrating in the selected area, students work to improve technical quality and develop a personal style. Each student compiles a comprehensive portfolio of artistic achievements.

A497 ADVANCED DIGITAL ART STUDIO

Level: 3,4

One year

One unit

PREREQUISITE

- A397 *Digital Studio (A,B,C)* or *Department Chair Approval*.

Advanced Digital Studio is the fourth step in the Digital Media Arts and Video and Animation sequence. This independent study course allows advanced digital Art students the opportunity to develop a complete Digital Art portfolio. The focus of this course is on digital art career exploration and preparation. Students advance their knowledge of digital photography, raster imaging, vector-based graphics, character animation, advanced digital audio, virtual reality, video editing, special effects, game design, and interactive art. Advanced Digital Studio students create a comprehensive portfolio, which reflects their artistic achievement. Students in this course may choose to use their portfolio to apply for scholarships, college credit, careers in the field of art, and university applications.

A489 ADVANCED PLACEMENT STUDIO ART: ARTS (3,4)

A499 ADVANCED PLACEMENT STUDIO ART: MEDIA ARTS (3,4)

A599 ADVANCED PLACEMENT STUDIO ART: PAINTING, DRAWING AND PRINTMAKING (3,4)

Level: 4

One year each

One unit each

PREREQUISITE

- *Portfolio reviewed by the Art Department.*

These independent study courses give advanced art students the opportunity to develop an Advanced Placement Art Portfolio. The focus of these courses is on the three sections graded by the College Boards: Quality, Concentration, and Breadth. Students will select works which excel in concept, composition, and execution from their “body of work” or portfolio. Students also will organize a series of work around a compelling visual concept. Finally, students will demonstrate, through their work, broad experience and accomplishment.

BUSINESS EDUCATION



TECHNOLOGY COURSES	COLLEGE PREPARATORY COURSES	CAREER READINESS COURSES
B101 Computer Literacy 1 Unit Levels 1-4	B184* Business Explorations 1 Unit Levels 1 & 2	B224** Practices in Entrepreneurship (PIE) 1/2 Unit Levels 2-4
B164/B664# Technology Applications 1 Unit Levels 1-4	B223 Topics in Marketing 1/2 Unit Levels 2-4	B225*** Practices in Entrepreneurship (PIE) Independent Study 1/2 Unit Levels 3 & 4
B293 Social Media for Business 1/2 Unit Levels 2-4	B267 Study Skills 1/2 Unit Levels 2-4	B347 Career Exploration and Global Competitive Skill Development 1/2 Unit Levels 3 & 4
B294 Web Design & Development 1 Unit Levels 1-4	B285* Consumer Education 1/2 Unit Levels 2-4	<i>*Satisfies the District 211/ State Consumer Education Requirement</i> <i>**B224 students must also enroll in H224</i> <i>***B225 students must also enroll in H225</i> <i># Students may have the opportunity to earn college credit</i>
B366 Desktop Publishing Independent Study 1 Unit Levels 1-4	B384/B684* Business Management 1/2 Unit Levels 3 & 4	
	B386#/B686# Accounting I - Financial 1 Unit Levels 2-4	
	B387 Business Law 1/2 Unit Levels 3 & 4	
	B394 Finance & Investing 1/2 Unit Levels 2-4	
	B396/B696# QuickBooks 1/2 Unit Levels 3 & 4	
	B397/B697#* Business Incubator 1 Unit Levels 2-4	
	B488 Advanced Accounting II - Managerial 1 Unit Levels 3 & 4	

BUSINESS EDUCATION

Business Education programs prepare young people for the challenge of the college business curriculum, prepare them for employment in business, and provide business-related instruction which can be applied to personal use. Students gain understanding of business concepts, become familiar with the role of technology as a business and personal tool, and prepare for further education in career areas requiring college preparation such as accounting, law, marketing, management, and business administration. Students gain direction concerning the many opportunities available to them in today's global economy.

A Business Internship program is designed to help students gain practical experience through on-the-job training in offices and retail establishments in the community.

B101 COMPUTER LITERACY

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Placement through staff recommendation.*

Computer Literacy is designed to help students acquire skills to be successful in an academic and career setting. Students will learn proper keyboarding technique and develop skill in operating the computer using various software packages. Document formatting procedures will be taught. Using the Microsoft Office Suite, students learn word processing, spreadsheet applications, desktop publishing, presentation concepts, and basic web page design principles. English language skills are reinforced.

B164/B664 TECHNOLOGY APPLICATIONS

Level: 1,2,3,4

One year

One unit

This hands-on course is designed to teach students how to master the use of essential computer software they will apply to high school, college, and personal and professional work. Students increase their computer productivity by completing real-world projects in acceptable business formats using the industry standard for productivity, Microsoft Office (Word, Excel, Access, PowerPoint). Students will create advanced-Level spreadsheet applications, web pages, advanced-Level word processing applications, desktop publishing projects, professional computer presentations, database management, and integrated applications. Appropriate and ethical use of technology is also explored. Students enrolled in B164 Technology Applications meet or exceed the District 211 Digital Democracy (Digital Quest) and Technology Competencies identified in Global Competitive Skills initiatives. This course is also included in every College and Career Cluster, echoing the input of local community business leaders.

HARPER CREDIT COURSE

- *B66402: AS160 Intro to Business Software Packages, 3 college credit hours.*

B184 BUSINESS EXPLORATIONS

Level: 1,2

One year

One unit

Business Explorations provides students the opportunity to explore today's global marketplace through the perspectives of both the consumer and the business professional. This course is an introductory survey of business topics, including entrepreneurship, business organization and management, human resources, marketing, financial planning, credit, savings and investing, accounting, business law, insurance, and social responsibility. This course meets and exceeds the D211 Consumer Education graduation requirement.

B223 TOPICS IN MARKETING

Level: 2,3,4

One-half year

One-half unit

Topics in Marketing is a course designed to teach marketing concepts through the examples of different industries such as: sports, music, entertainment, fashion, and technology. Students will learn and apply the functions of marketing through hands-on learning, group activities, and projects related to marketing concepts studied in class. Students will develop a marketing plan where they create a new product/service and then apply target marketing strategies to produce promotional material, find sponsors, create advertisements, and more. Guest speakers and a field trip enhance classroom instruction by sharing personal experience and informing students how to achieve a position in the marketing industry.

B224 PRACTICES IN ENTREPRENEURSHIP (PIE)

Level: 2,3,4

One semester

One-half unit

REQUIREMENT

- *Any foods course, concurrent enrollment in H224 Practices in Entrepreneurship (PIE).*

This interdisciplinary class offers students the opportunity to manage and operate a small business within the school. Students will acquire the skills necessary to become successful business managers and entrepreneurs, through in-class study of topics such as economics, management, marketing, and accounting. Students gain authentic experience running a small business through this learning opportunity.

B225 PRACTICES IN ENTREPRENEURSHIP (PIE) INDEPENDENT STUDY

Level: 3,4

One semester

One-half unit

REQUIREMENT

- *Successful completion of B224 and H224 Practices in Entrepreneurship (PIE), concurrent enrollment in H225 Practices in Entrepreneurship (PIE) Independent Study.*

This independent study class is an extension of B224 and H224. Students will manage and operate a small business through exploration and inquiry of advanced business topics, mastering the skills acquired in B224 and H224.

B267 STUDY SKILLS

Level: 2,3,4

One-half year

One-half unit

Study Skills is designed to teach students effective student habits to be successful in high school and beyond. Personal learning styles will be analyzed in order to maximize learning across the curriculum. This course focuses on the development of time management, organizational skills, note-taking skills, test taking strategies, reading literacy, and content area study skills.

B294 WEB DESIGN & DEVELOPMENT

Level: 1,2,3,4

One year

One unit

Do you have an interest in *designing* websites or *learning how to build* websites? This course teaches you front-end design skills of web design and the back-end coding of web development. Industry leaders from our community helped create this innovative new course in response to an increasing demand for these needed skills. The course culminates in a real-world application of working with a local business to refresh, redesign, and /or redevelop their website. Students will primarily use industry-standard software such as Adobe Photoshop, Illustrator, and Premier for front-end design and WordPress, HTML5, and CSS for back-end development.

B285 CONSUMER EDUCATION

Level: 2,3,4

One-half year

One-half unit

This required course exceeds state requirements for consumer education. Students will receive financial literacy instruction in budgeting, savings, investing, credit, insurance, comparative shopping, banking, income taxes, advertising, consumer economics, and consumer protection.

B293 SOCIAL MEDIA FOR BUSINESS

Level: 2,3,4

One-half year

One-half unit

Social Media for Business introduces students to social media marketing used in business. Students will study the top social media platforms to reach audiences and to promote brands. Key concepts include audience awareness, lead generation, monetization, social brand identity, social media analytics, planning, and auditing. Through a simulation, students will realize the financial aspects of social media marketing; understand the business applications of social media platforms; manage a budget for content creation and promotion; plan social media campaigns; identify the appropriate platforms for specific audience; distinguish paid, owned and earned social media marketing efforts; select the right content for the right audience and mediums; find the right mix of promotional and non-promotional content; and make data-driven decisions based on results from posts over an extended period of time. By gaining an understanding of foundational concepts; creating practical, hands-on projects; and experiencing social media marketing through the online simulation, students will have a foundation to help themselves succeed in social media and digital marketing today and in their chosen profession.

B332 BUSINESS INTERNSHIP

Level: 3,4

One year

Two units

PREREQUISITE

- *Evidence of work with your counselor on career planning for the occupational focus or completion of high school course work related to your occupational goal and potential training stations. Students must be 16 years of age or older.*

Business Internship is designed for students with career interests within the business industry. Students are given an opportunity to gain first-hand knowledge of business careers through on-the-job training provided in cooperation with local businesses. Classroom activities focus on general business concepts, career paths, communication skills, employer-employee relations, and consumer-related topics. Students earn one unit of credit for the work experience and one unit of credit for the related class. This course meets the D211/State graduation requirements for Consumer Education.

B347 CAREER EXPLORATION AND GLOBAL COMPETITIVE SKILL DEVELOPMENT

Level: 3,4

One-half year

One-half unit

Students will learn and apply essential skills needed to prepare for the college, scholarship, and workforce application process, including internships, entry-Level positions, and long-term career opportunities. Topics include career and college major exploration, effective resume writing, successful interviewing strategies, and desirable employability skills. Soft skills will be strongly covered in this course, such as providing effective presentations, working productively as a contributing team member, and developing a strong work ethic. Students will also gain knowledge of professional technologies, including, but not limited to, Excel spreadsheets (creating, manipulating, and analyzing) and professional email correspondence. Students will obtain an understanding of professionalism in today's world through building their personal brand. These global competitive skills will prepare students to be successful in any college and career pathway.

B366 DESKTOP PUBLISHING INDEPENDENT STUDY

Level: 3,4

One year

One unit

PREREQUISITE

- *B164 Technology Applications or department approval.*

Desktop Publishing Independent Study provides students with the opportunity to apply skills to real-world applications. Students will produce documents for various school functions that include athletics, activities, music and drama, honors programs, etc. Students will have the opportunity to meet with coaches, teachers, and administrators to plan and create desktop publishing items. Students will further their development in using Microsoft Word, Photoshop, presentation software, and peripheral equipment.

B384/B68403 BUSINESS MANAGEMENT

Level: 3,4

One-half year

One-half unit

Business Management provides a critical understanding of how business organizations operate and are managed – their goals, strategies, structures, environments, and the motivations and interests of the people involved. Students will analyze the management functions (planning, organizing, leading, staffing, controlling) and their implementation and integration within the business environment. This course will provide students with an opportunity to learn the skills necessary to lead companies through a constantly changing landscape. Through a variety of unique classroom projects, group discussions and lectures, students will take with them the skills to become a leader in the business world.

HARPER CREDIT COURSE

- *B68403: MGT111, Intro to Business Organization, 3 college credits.*

B394 FINANCE & INVESTING

Level: 2,3,4

One-half year

One-half unit

Finance and Investing is offered to students interested in learning an overview of the financial world and how to trade on financial markets. Students will explore the concept of time value of money, how financial markets and institutions play a role in the investment world, and different types of investments. Students will apply investment theories and demonstrate their knowledge through active trading using a virtual market simulation. This course is recommended for students who are considering careers in finance or business as well as those who seek a better understanding of how to invest and build a portfolio for their personal benefit.

B386/B68602 ACCOUNTING 1 - FINANCIAL

Level: 2,3,4

One year

One unit

Course content will prepare all business students for the rigorous curriculum of college accounting and is strongly recommended for all future business majors. Students will gain a basic understanding of the accounting industry and procedures, including debit and credit analysis, journalizing, posting, calculating payroll, preparing and analyzing financial statements, preparing adjusting and closing entries, calculating depreciation, and costing inventory. Students will become familiar with computerized accounting software, including Microsoft Excel, and the practical uses of these programs in the business world.

HARPER CREDIT COURSE

- *B68602: ACC100 Introductory Accounting, 3 college credits.*

B387 BUSINESS LAW

Level: 3,4

One-half year

One-half unit

Business Law is offered to students interested in the application of law to their personal lives and to business activities. Students study the administration of the law, various parts of a contract, termination, remedies, defenses for breach as well as real and personal property. Historical and current legal cases that cover constitutional, civil, criminal, and contract laws will be studied. Students demonstrate their knowledge of law and legal procedures by participating in mock trials. This course is recommended for students who are considering careers in law or business as well as those who seek a better understanding of the application of law to their personal lives.

B394 FINANCE & INVESTING

Level: 2,3,4

One-half year

One-half unit

Finance and Investing is offered to students interested in learning an overview of the financial world and how to trade on financial markets. Students will explore the concept of time value of money, how financial markets and institutions play a role in the investment world, and different types of investments. Students will apply investment theories and demonstrate their knowledge through active trading using a virtual market simulation. This course is recommended for students who are considering careers in finance or business as well as those who seek a better understanding of how to invest and build a portfolio for their personal benefit.

B396/B69603 QUICKBOOKS

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- B39601 - B386 with a grade "C" or higher. B69602 (ACC112) - B68602 (ACC100) with a grade of "C" or higher.

Students are introduced to QuickBooks to apply their prior accounting knowledge into practical use, through industry leading software. Students expand their payroll accounting knowledge from B386 Accounting I through understanding federal and state laws regarding employment, payroll, deductions, and taxes.

HARPER CREDIT COURSE

- B69603: ACC112 QuickBooks, 2 college credits.

B397/B69702 BUSINESS INCUBATOR

Level: 2,3,4

One year

One unit

This course is designed to prepare students to become true entrepreneurs in a problem-based learning environment. Students will have the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches, mentors and board of investors guiding student teams through the process of ideation, market research and business plan development

using the business model canvas approach. Throughout the course of the school year, students will develop soft skills, such as project management, problem-solving, presentation, networking, collaboration, teamwork, leadership and analytical skills. Mid-year, students will gain in-market experience with "Minimal Viable Product" research and presentations made possible by small grants to student teams. Over the course of the year, student teams will learn about marketing, finance and accounting, as well as the legal aspects of running a business to prepare for an investor panel presentation. This presentation helps to drive the entrepreneurial spirit by having student teams in front of actual investors to pitch their innovative idea and possibly win funding to turn their business plans into reality.

HARPER CREDIT COURSE

- B69702: ENT154, Entrepreneurship, 3 college credits.

B488 ADVANCED ACCOUNTING 2 - MANAGERIAL

Level: 3,4

One year

One unit

PREREQUISITE

- B386 Accounting 1 - Financial.

This honors class is designed to prepare all college-bound business students and those pursuing a career in accounting or finance with an advanced, integrated approach to accounting. Taking financial accounting to an accelerated Level, this course incorporates managerial accounting concepts such as operations, financial, and investment decision making, time value of money, accounting information systems, cost-volume profit analysis, and variance analysis. The combination of these objectives provides students with an understanding about the decisions that must be made in the financial reporting process and the ability to evaluate and use accounting data.

ENGLISH



FRESHMAN	SOPHOMORE	JUNIOR	FRESHMAN
E101 English 1 1 Unit	E201 English 2 1 Unit	E301 English 3 1 Unit	E401 Modern World Literature 1/2 Unit
E141 Reading Strategies I 1 Unit	E241 Reading Strategies II 1 Unit	E341 Reading Improvement 1/2 Unit	E411 Communications Skills 1/2 Unit
		E331 American Studies 1 Unit	E341 Reading Improvement 1/2 Unit
E102 English 1 1 Unit	E202 English 2 1 Unit	E302 English 3 1 Unit	Elective*
		E336 American Studies 1 Unit	E423 Intro to Rhetoric 1 Unit
E108 English 1 1 Unit	E208 English 2 1 Unit	E319 AP Language/Composition 1 Unit	E419 AP Literature/Composition 1 Unit

**Any elective listed on page 27 may be substituted for any 400 Level course to meet graduation requirements.
Electives also may be taken in addition to courses listed on this page.*

ENGLISH

FRESHMAN	FRESHMAN JUNIOR SENIOR	JUNIOR SENIOR	SENIOR
	E203/E603 Speech 1 1/2 Unit	ELECTIVES	E402 English Literature 1/2 Unit
	E204 Speech 2 1/2 Unit	E303 Rhetoric of Cinema 1/2 Unit	E403 Senior Composition 1/2 Unit
E205 Journalistic Writing 1 1/2 Unit	E205 Journalistic Writing 1 1/2 Unit	E305 Advanced Reading 1/2 Unit	E404 English Literature 1/2 Unit
	E207 Journalistic Writing 2 1/2 Unit	E341 Reading Improvement 1/2 Unit	E405 Expository Composition 1/2 Unit
	E212 Dramatics 1/2 Unit	E307 Creative Composition 1/2 Unit	E625 College Composition 1/2 Unit
	E214 Advanced Topics in Lit. 1/2 Unit	E317 Advanced Creative Comp. 1/2 Unit	
		E352 Rhetoric for Professional Pathways 1/2 Unit	

ENGLISH

English is not only a discipline in itself, but also a necessary corollary to success in all subject areas. The communication skills of reading, writing, speaking, and listening are essential for meeting the economic, social, and cultural challenges in today's society. To think clearly and creatively and to express ideas effectively are the responsibility of every human being. The goal of the English Department is to develop these skills to the fullest extent in all students.

In order to meet individual needs, the English Department places students in appropriate ability groups. Placement is based on standardized test scores, past achievement in English, and teacher recommendation. No placement, however, is final, and changes in a student's assigned Level may take place at any time performance warrants such a move.

In addition to the teaching of communications skills, the English Department feels a strong commitment to broaden each student's understanding that literary works relate to their eras, that certain universal themes span history and that both factors have relevance to the individual today.

Students are engaged in reading and responding to short stories, novels, poems, essays, and plays. The goal is that students will gain an appreciation for literature and become lifelong readers and writers.

E100 ENGLISH 1

Level: 1

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

Basic communication skills are taught in this course with emphasis on reading and writing. Students are given added instruction in areas of individual needs. Functional and practical reading skills are emphasized.

E101 ENGLISH 1

Level: 1

One year

One unit

The course is designed to improve basic language skills in reading and writing. The writing program stresses the application of language skills in a variety of compositions. The reading program develops skill in recalling, summarizing, making predictions, and making inferences. Activities focus on reading strategies useful for a wide range of materials. High-interest materials are utilized at increasing Levels of difficulty. *(NCAA Core Course)*

E102 ENGLISH 1

Level: 1

One year

One unit

This course for freshmen includes the study of literature and extensive practice in writing. Literature studies involve analysis and appreciation of a variety of types and themes. The composition program stresses clarity, specificity, and creativity. The basic principles of the fine arts are introduced and integrated into the language arts curriculum. *(NCAA Core Course)*

E104, E105, E106 ENGLISH AS A SECOND LANGUAGE – ENTRY LEVEL

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Placement through district assessment and staff recommendation.*

This entering Level consists of three courses designed to meet the needs of English language learners who have recently arrived with little or no English language skills. In this Level, students will acquire listening comprehension, oral language, vocabulary, and basic reading and writing skills.

E108 ENGLISH 1

Level: 1

One year

One unit

Students in this accelerated course are introduced to a variety of literary elements in different types of literature. Creativity is developed through class study of literature and independent study. The composition program includes experience in both creative and critical writing. The basic principles of the fine arts are introduced and integrated into the language arts curriculum. *(NCAA Core Course)*

E110-E410 READING

Level: 1,2,3

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

These courses offer the student basic reading skills. Students will work to increase vocabulary and comprehension. Instruction is individualized to meet each student's needs.

E111, E112, E113 ENGLISH AS A SECOND LANGUAGE (ESL) BEGINNER LEVEL

Level: 1,2,3,4

One year

Up to three units

PREREQUISITE

- *Placement through district assessment and staff recommendation.*

This ESL course is designed to meet the needs of English language learners. This beginning Level course is designed to meet the individual needs in speaking, listening, reading, writing, and the acculturation process.

E114, E115, E116 ENGLISH AS A SECOND LANGUAGE (ESL) BEGINNING ENGLISH LITERACY

Level: 1,2,3,4

One year

One unit

(Palatine High School Only)

PREREQUISITE

- *Placement through student services and ESL department recommendation.*

This ESL course is designed to meet the needs of English language learners in speaking, listening, reading, and writing. Students will progress to E111, E112, E113 ESL – Beginner or a higher Level after successful completion.

E120 ENGLISH 1

Level: 1

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is designed to improve basic language skills in reading, listening, speaking, and writing. The class emphasizes vocabulary development and the mechanics of writing.

E121, E122 ENGLISH AS A SECOND LANGUAGE – INTERMEDIATE LEVEL

Level: 1,2,3,4

One year

Up to two units

PREREQUISITE

- *Successful completion of E111, E112, and E113 or placement through district assessment and staff recommendation.*

This ESL course is designed to meet the needs of English language learners. This intermediate Level course focuses on building reading, writing, speaking, listening, and grammar skills.

E130 ENGLISH

Level: 1

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This fundamental English course provides students with prescriptive and targeted instruction, resulting in increased skill development in the areas of comprehension, vocabulary, writing and communication. Students placed in this course will be placed in conjunction with a reading improvement course that emphasizes its instruction on fundamental decoding skills.

E131, E132 ENGLISH AS A SECOND LANGUAGE – ADVANCED LEVEL

Level: 1,2,3,4

One year

Up to two units

PREREQUISITE

- *Successful completion of E121 and E122 or placement through district assessment and staff recommendation.*

This advanced ESL course is designed to meet the needs of English language learners. All language skills are practiced and refined with an emphasis on academic reading and writing.

E141 READING STRATEGIES 1

Level: 1

One year

One unit

PREREQUISITE

- *Placement determined by the student's score on the district reading placement test.*

This course is designed for students for whom the required English class alone is insufficient to meet their needs. Students will be given specific and individualized instruction to improve their reading skills. The course is to be taken concurrently with English 101. (The course credit does not apply towards the 4-credit English requirement for graduation.)

E151 ENGLISH AS A SECOND LANGUAGE – TRANSITIONAL LEVEL

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Placement through staff recommendation and/or successful completion of E131 and E132.*

This transitional ESL course is designed to further students' development in English through intensive listening, speaking, reading, and writing. This course is designed to transition English language learners into mainstream English classes. *(NCAA Core Course)*

E170, E190, E290, E390 READING IMPROVEMENT

Level: 1,2,3

One year

One unit each

PREREQUISITE

- *Placement through staff conference recommendation.*

These courses utilize the Direct Instruction model to improve reading decoding, expand vocabulary, and increase comprehension skills.

E200 VOCATIONAL ENGLISH

Level: 2

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is designed as an extension of E100 English. Vocational English emphasizes the practical application of the communications skills acquired in E100 English.

E201 English 2

Level: 2

One year

One unit

PREREQUISITE

- *E100 English 1 or E101 English 1 or E102 English 1 with department recommendation.*

This course is structured for the student whose skills are below grade Level. English 201 focuses on furthering students' development in reading, writing, and speaking. Students improve their comprehension and vocabulary skills. Basic analysis of fiction and nonfiction is developed and writing assignments stem from the readings studied and personal experience. Students also have an opportunity to develop effective oral communication skills. *(NCAA Core Course)*

E202 ENGLISH 2

Level: 2

One year

One unit

PREREQUISITE

- *E101 English 1 with department recommendation or E102 English 1 or E108 English 1.*

The study of literature by either types or themes is continued at the sophomore Level. The writing program focuses on various types of compositions. Concentrated units in speech and communication are part of the work at this Level. Principles of the fine arts are introduced and integrated with the language arts curriculum. *(NCAA Core Course)*

E203/E60303 SPEECH 1

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- *Concurrent enrollment or completion of E202 or higher or department chair approval.*

Speech 1 strengthens oral communication skills which will help the student in future life. Emphasis is placed on gaining confidence before a group, listening, organizing ideas and persuading an audience. Students participate in a variety of exercises, including informative and persuasive speeches. *(NCAA Core Course)*

HARPER CREDIT COURSE

- *E60303: SPE101, Fundamentals of Speech Communication, 3 credits, IAI C2 900.*

E204 SPEECH 2

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- *E203/E603 Speech 1 (A,B,C).*

Speech 2 continues to strengthen skills learned in Speech 1. In addition, the course concentrates on group dynamics and discussion, debate, interpretation, advertising, and radio and television production. *(NCAA Core Course)*

E205 JOURNALISTIC WRITING 1

Level: 1,2,3,4

One-half year

One-half unit

Journalistic Writing 1 focuses on the process of developing writing skills through systematic instruction in producing newspaper articles such as news, features, sports, and editorials which adhere to techniques and principles of journalistic writing. *(NCAA Core Course)*

E207 JOURNALISTIC WRITING 2

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- *E205 Journalistic Writing 1 (A,B,C) or recommendation of the journalistic writing teacher.*

Journalistic Writing 2 is a course for the student who wants additional journalism experience. The course focuses on advanced news and feature writing, specialized sports writing, and critical editorial writing. Classroom instruction highlights writing for print and electronic media, as well as advanced layout and design. *(NCAA Core Course)*

E208 ENGLISH 2

Level: 2

One year

One unit

PREREQUISITE

- E108 English 1 (A,B) or E102 English 1 with department recommendation.

This accelerated course examines a variety of demanding literary works from a number of perspectives. The writing program emphasizes analysis and argumentation. The third major focus of the course is the development of the student's speaking abilities through formal and informal speeches. Principles of the fine arts are introduced and integrated with the language arts curriculum. (NCAA Core Course)

E212 DRAMATICS

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- English 1 (A,B,C) or department recommendation.

Dramatics provides an overview of and participation in the major areas of theater: pantomime, interpretation, improvisation, acting, play production, criticism, and theater history. Students apply their skills in various exercises and assignments within each unit.

E214 ADVANCED TOPICS IN LITERATURE

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- E101 English 1 with department recommendation or E102 English 1 or E108 English 1.

This reading-intensive course develops comprehension and fluency through encounters with literature focused on a central topic, yet representing a variety of themes, concepts, eras, and ideas. Through writing assignments and class discussion in response to literature, students also will develop their ability to think, speak, and write with clarity and insight. (NCAA Core Course)

E220 ENGLISH 2

Level: 2

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

This course is an extension of E120 English 1. The course emphasizes increased reading and practical writing skills. The writing program focuses on outlining, paragraph structure, and essay development.

E241 READING STRATEGIES 2

Level: 2

One year

One unit

PREREQUISITE

- Placement determined by the student's scores on the district reading placement test and the district reading assessment.

This course is designed for students for whom the required English class alone is insufficient to meet their needs. Students will be given specific and individualized instruction to improve their reading skills. The course is to be taken concurrently with the first semester of English 201. E241 Reading 2 course credit does not apply toward the 4-credit English requirement for graduation.

E300 PRACTICAL ENGLISH

Level: 3

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

This course is designed to support understanding of basic literary elements, development of writing skills related to grammatically correct sentences and paragraphs and overall vocabulary development.

E301 ENGLISH 3

Level: 3

One year

One unit

PREREQUISITE

- E201 English 2 or E220 English 2 or E202 English 2 with department recommendation.

This course emphasizes reading comprehension and written communication. A variety of American literature selections will be read, interpreted, and discussed. Writing assignments focus on course material, as well as personal experience. Principles of the fine arts are integrated into the language arts curriculum. (NCAA Core Course)

E302 ENGLISH 3

Level: 3

One year

One unit

PREREQUISITE

- E201 English 2 with department recommendation or E202 English 2 or E208 English 2.

This course includes extensive work on both writing and the study of American literature. Students will be encouraged to think critically and to write logically. They will learn research skills, complete a research project, and write informative, analytical, and persuasive compositions based on literature studied as well as personal experience. Principles of the fine arts are integrated into the language arts curriculum. (NCAA Core Course)

E303 THE RHETORIC OF CINEMA

Level: 3,4

One-half year

One-half unit

This course focuses on film as literature. In addition to studying the literary elements of plot, theme, tone, point of view, style, symbolism, irony, characterization, and setting, the emphasis is on writing, reading, and speaking about cinema while learning to understand and analyze this visual medium through the principles of film language and rhetoric, applicable concepts from politics, art, literature, music, sociology, psychology, history, critical approaches, and genres. *(NCAA Core Course)*

E305 ADVANCED READING

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *E202 English 2 or E208 English 2 or department recommendation.*

Advanced Reading is a course designed for students reading at grade Level or above. It provides them with skills necessary for success in college. Emphasis is on higher-Level comprehension, vocabulary, study skills, and reading speed. *(NCAA Core Course)*

E307 CREATIVE COMPOSITION

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *E202 English 2 (A,B,C) or E208 English 2 or department recommendation.*

This course is designed for students who want to develop their skill and talent in writing creatively. Students learn to recognize and use techniques such as description, characterization and narration as they progress from specific assignments to independent creative compositions. *(NCAA Core Course)*

E317 ADVANCED CREATIVE COMPOSITION

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *E307 Creative Composition (A,B,C) or department recommendation.*

This course is designed for students who want to further their skills as creative writers. Students write works of short fiction, creative non-fiction, poetry, drama, and screenplays. Publication is an integral part of the curriculum with students encouraged to submit their writing to various contests and the school literary magazine. *(NCAA Core Course)*

E319 ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

Level: 3,4

One year

One unit

PREREQUISITE

- *E208 English 2 (A,B) or E202/E302 English 2 with department recommendation.*

This honors course emphasized college-Level language and composition. The student is prepared to enter college with a strong English background. Students are encouraged to take the Language and Composition Advanced Placement Examination of the College Entrance Examination Board. *(NCAA Core Course)*

E320 ENGLISH 3

Level: 3

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is an extension of E220 English 2. The emphasis is on reading comprehension and writing skills. The writing program focuses on multi-paragraph essays and the editing process. Reading and writing skills are improved through lessons pertaining to literature with a historical focus.

E331 AMERICAN STUDIES — ENGLISH

Level: 3

One year

One unit

PREREQUISITE

- *E201 English 2 or E202 English 2 with department recommendation.*

This course combines the study of American Literature and United States History and fulfills the requirement for third-year English. This course is team taught by teachers from the English Department and the Social Studies Department. Students must be enrolled concurrently in E331 and G331 History. *(NCAA Core Course)*

E336 AMERICAN STUDIES — ENGLISH

Level: 3

One year

One unit (Double class)

PREREQUISITE

- *E202 English 2 or E208 English 2 or department recommendation.*

American Studies offers the student an opportunity to examine the question, “What is an American?” By studying America’s history, literature, music, art, and architecture, the student can discover what makes him or her special as an American. This course combines a chronological or thematic study of United States history and American literature and fulfills the requirements for junior English and United States History. Students must be enrolled concurrently in E336 and G336. Principles of the fine arts are integrated into the language arts curriculum. *(NCAA Core Course)*

E341 READING IMPROVEMENT

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *E200 English 2 or E201 English 2 or E220 English 2 or E290 English 2 or department recommendation.*

Reading Improvement is designed for students reading below grade Level. The course concentrates on reading skills needed by students who intend to enter the working world or pursue further education. In addition to increasing comprehension and vocabulary skills, the course aims at developing an appreciation for reading as a lifelong activity. (Juniors who have not met the District minimum reading requirement must take this course concurrently with E301 English 3).

E352 RHETORIC FOR PROFESSIONAL PATHWAYS

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *Successful completion of E202 or higher OR department recommendation.*

This course is designed for college-bound students. The primary objective of this class is to prepare students to communicate effectively in professional settings, including how to plan for and deliver messages through both printed and digital media as well as interpersonal and public communication. In accomplishing these objectives, the course will develop the follow Common Core Skills: producing clear and coherent writing in which development, organization, and style are appropriate to the purpose and task; writing arguments to support claims; utilizing relevant evidence to support claims; using varied syntax to create cohesion.

E400 PRACTICAL ENGLISH

Level: 4

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is an extension of E300 Practical English and provides continuing practice in all communication skills. Instruction is individualized to meet each student’s needs.

E401 MODERN WORLD LITERATURE

Level: 4

One-half year

One-half unit

PREREQUISITE

- *E301 English 3 or E331 American Studies–English or E302 English 3 or E336 American Studies English with department recommendation.*

This course helps students develop a better understanding of various cultures through literature and writing. Literature from around the world is introduced. Activities concentrate on exploration of common cultural values. *(NCAA Core Course)*

E402 ENGLISH LITERATURE SURVEY

Level: 4

One-half year

One-half unit

PREREQUISITE

- *E301/E331 with department recommendation or E302 English 3 or E336 American Studies–English (D, or C with department recommendation).*

This course will help students develop an awareness of the history and development of primarily English literature. Discussion focuses on the themes, style, structure, and language of works of Britain’s major writers. Writing emphasizes analysis of literature. *(NCAA Core Course)*

E403 SENIOR COMPOSITION

Level: 4

One-half year

One-half unit

PREREQUISITE

- *E301/E331 with department recommendation or E302 English 3 or E336 American Studies–English (D, or C with department recommendation).*

Students in this course will concentrate on improving writing skills. Emphasis will be on research. Instruction will focus on organization, unity, and accuracy. *(NCAA Core Course)*

E404 ENGLISH LITERATURE SURVEY

Level: 4

One-half year

One-half unit

PREREQUISITE

- E302 English 3 or E336 American Studies–English (A,B,C), E308 English 3 or department recommendation.

This course will help college-bound students develop an awareness of the history and development of English literature. Discussion focuses on the themes, style, structure, and language of works of Britain's major writers. Writing emphasizes critical thinking and analysis of literature. (NCAA Core Course)

E405 EXPOSITORY COMPOSITION

Level: 4

One-half year

One-half unit

PREREQUISITE

- E302 English 3 or E336 American Studies–English (A,B,C), E308 English 3 or department recommendation.

Students in this course develop writing skills, concentrating on organization, unity, and accuracy in expressing ideas. After instruction on how to conduct research and report the findings, students will write a research paper. This course should be given special consideration by every student who plans to go to college. (NCAA Core Course)

E411 COMMUNICATION SKILLS

Level: 4

One-half year

One-half unit

PREREQUISITE

- E301 English 3 or E331 American Studies–English or E302 English 3 or E336 American Studies–English with department recommendation.

Focusing on writing, reading, speaking, and listening, this course aims at developing communications skills useful in contemporary society. The writing program emphasizes effective written communication for a variety of purposes and includes a short research project. (NCAA Core Course)

E419 ADVANCED PLACEMENT LITERATURE & COMPOSITION

Level: 4

One year

One unit

PREREQUISITE

- E319 English 3 (A,B) or E302 English 3 or E336 American Studies with department recommendation.

This honors course emphasizes college-Level composition and literature. The student is prepared to enter college with a strong English background. Students are encouraged to take the Literature and Composition Advanced Placement Examination of the College Entrance Examination Board. (NCAA Core Course)

E420 ENGLISH 4

Level: 4

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

This senior-Level course is designed to increase students' skills in the areas of word usage, reading comprehension, and writing. Individual objectives are developed for each student.

E423 INTRODUCTION TO RHETORIC

Level: 4

One year

One unit

PREREQUISITE

- Department recommendation.

This course will introduce students to the critical thinking and reading skills needed to succeed in writing at the college Level. Students successful in this course may earn direct placement into English 101 at Harper College. *Illinois Portability Code TE001. (NCAA Course)*

E62503 COLLEGE COMPOSITION

Level: 4

One-half year

One-half unit

PREREQUISITE

- Minimum SAT EBRW480 or 7th semester unweighted GPA 3.0 for 2nd semester enrollment.

English 625 is a dual-credit course focused on college-level reading and writing. The credit earned in this course fulfills high school graduation requirements and provides transcribed Harper College credit. Students will compose essays that work on foundational skills: analysis, synthesis, evaluation, and argument. All writing will be thesis-support based and will utilize textual evidence from non-fiction texts. (NCAA Core Course)

HARPER CREDIT COURSE

- E62503: ENG101, Composition, 3 college credits, IAI C1 900.

E490 READING 4

Level: 4

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

This course is a continuation of the work begun in the E170, E190, E290, and E390 courses. Continued drill and practice is given in the areas of word recognition, vocabulary development, reading comprehension and practical study skills.

DRIVER EDUCATION



P206/P207 DRIVER EDUCATION

Level: 2,3,4

One-half year

One-quarter unit

PREREQUISITE

- *Eight (8) one-half credits received in the previous two semesters.*

The Driver Education program consists of 30 hours of mandatory classroom instruction. This program fulfills the State of Illinois safety education and District 211 graduation requirements.

It stresses development of skills, attitudes, and knowledge designed to make every student a safer and more skillful driver.

Optional behind-the-wheel experience is available to the student for a fee. (Enrollment governed by the date of the student's 16th birthday).

P217 DRIVER EDUCATION - CLASSROOM ONLY

FAMILY & CONSUMER SCIENCES



DESIGN PATHWAY

Fashion Designer, Interior Designer, Buyer, Visual Merchandiser, Fabric Designer, Trend Director, Interior Decorator, Kitchen & Bath Designer, Tailor, Furniture Designer, Residential Designer, Commercial Designer, Fashion Illustrator, Purchasing Agent, Store Planner.

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
	H244 Housing/Interior Design 1/2 Unit	H446 Interior Design I.S. 1 Unit	H447 Interior Design I.S. 1 Unit
H236 Design Studio 1 Unit	H482 Design I.S. 1 Unit	H483/H683 Design I.S. 1 Unit - Dual Credit	H476 Fashion Construction I.S. 1 Unit
	H276 Fashion Construction 1 1 Unit	H277 Fashion Construction 2 1 Unit	H477/H67702 Fashion Construction I.S. 2 1 Unit - Dual Credit

CULINARY PATHWAY

Executive Chef, Cook, Pastry Chef, Dietician, Food Technician, Food Scientist, Hospitality, Food Promotion, Sports Nutrition, Government Agencies, Private Chef, Restaurant Management, Food Inspector, Recipe Development

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
		H225/H667 P.I.E. I.S. 1/2 Unit - Dual Credit	
H266 Culinary Arts 1 1 Unit	H267/H665 Culinary Arts 2 1 Unit - Dual Credit	H333/H667 Food and Nutrition Science 1 Unit - Dual Credit	H466 Culinary Arts I.S. 1 1 Unit - Dual Credit
	H224 P.I.E. 1/2 Unit	H466 Foods I.S. 1 Unit - Dual Credit	H467/H667 Culinary Arts I.S. 2 1 Unit - Dual Credit

FAMILY & CONSUMER SCIENCES

EDUCATION PATHWAY

Elementary School Teacher, High School Teacher, Early Childhood Teacher, Day Care Center Director, Day Care Center worker, Residential Youth Care Provider, At-Risk Youth Programming, Crisis Nursery, Child Psychologist, Pediatrician, Therapist

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
EARLY CHILDHOOD	H256 Child Development 1 Unit	H257 Early Childhood Education 1 Unit	H457/H657 Advanced ECE I.S. 2 1 Unit - Dual Credit	H456 Advanced ECE I.S. 1 1 Unit - Dual Credit
ELEMENTARY EDUCATION				H453/H653 Introduction to Education 1 Unit - Dual Credit Concurrent with H455 Elementary Education Experience 1 Unit
SECONDARY EDUCATION				H453/H653 Introduction to Education 1 Unit - Dual Credit Concurrent with H455 Elementary Education Experience 1 Unit

FAMILY & CONSUMER SCIENCES

Family & Consumer Science courses are designed for all students. These courses emphasize the understanding of self and others, management of resources, personal and professional productivity, and career exploration.

The following courses are arranged for students interested in each program area; however, courses may be taken in any order as long as PREREQUISITES are met.

H171 INTRODUCTION TO LIFE STUDIES

Level: 1,2,3,4

One year

One unit

(Hoffman Estates High School Only)

PREREQUISITE

- Placement through staff recommendation.

This course is designed to specifically address needs of a unique population. Students will receive instruction in the areas of personal independence, consumer decision making, life and home management skills, and personal skill development. There is an emphasis on individual written and spoken language development in regard to daily living skills.

H224 PIE (PRACTICES IN ENTREPRENEURSHIP)

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- Successful completion of at least one semester of a Foods course or departmental approval.

REQUIREMENT

- Concurrent enrollment in B224 PIE (Practices in Entrepreneurship).

This integrated class offers students an opportunity to use their culinary skills in a practical business application. Students who enroll in this two-period connected class will learn the skills required to start and manage a small business. Students will apply economic, management, marketing, accounting, and business law concepts in a bakery/coffee shop scenario.

H22502/H66702 PIE (PRACTICES IN ENTREPRENEURSHIP INDEPENDENT STUDY)

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- H225: Successful completion of H224 PIE and/or department approval.
- H66702: Must pass Food Safety Certification Examination during 1st semester H22501.

This integrated class offers students the opportunity to refine and enhance the skills introduced in H224 PIE. Students who enroll in this two-period connected class will be offered the opportunity for increased responsibilities in the management of the bakery/coffee shop. Students will explore more advanced

culinary techniques such as European-style pastry, cake decorating, recipe development, and production management.

HARPER CREDIT COURSE

- H66702: FSM114, Food Standards and Sanitation, 2 college credits. (Conant H.S.)

H236 DESIGN STUDIO

Level: 1,2,3,4

One year

One unit

Are you interested in the areas of Fashion & Interior Design? This course is designed to strengthen a student's interest and background in design concepts. Opportunities will be provided for students to explore the curriculum within creative teams and through individual activities. Students will develop an awareness of construction techniques, visual communication, design elements, style trends, and fashion merchandising strategies.

H243 CONSUMER MANAGEMENT

Level: 2,3,4

One-half year

One-half unit

Consumer Management exceeds the state consumer education requirements. Students will learn how to be responsible when managing money, time and energy in today's changing market place. Individual interests and needs are considered as students learn to manage their resources and cope with common consumer issues.

H244 HOUSING/INTERIOR DESIGN

Level: 2,3,4

One-half year

One-half unit

Students will learn about the many aspects of housing and interior design for personal or professional use. Factors which influence housing, reading and evaluating floor plans, furniture selection, the treatment of floors and windows, and the elements and principles of design will be covered in this introductory course. Career opportunities in related fields are explored.

H256 CHILD DEVELOPMENT

Level: 1,2,3,4

One year

One unit

This course is designed for students interested in examining the broad spectrum of child development theory from prenatal development through the school-aged years. Various philosophies, along with current research, will be used to present the areas of physical, social, emotional, and intellectual development, prenatal to age five. Through discussion, critique and research, class activities will add direction and focus to career opportunities in the field of child development. Students will have the opportunity to earn the ECE Level 1 credential while enrolled in this course.

H257 EARLY CHILDHOOD EDUCATION

Level: 2,3,4

One year

One unit

PREREQUISITE

- H256 Early Childhood Studies and/or Department approval.

This course provides the student an opportunity to apply the information learned in Early Childhood Studies. Working in an actual preschool lab setting, students are provided the chance to work with children ages 3-1/2 to 5 years. Students fulfill the role of “teacher” and are responsible for the planning, implementation, and evaluation of lessons.

H266 CULINARY ARTS 1

Level: 1,2,3,4

One year

One unit

Students build fundamental cooking and collaboration skills while working in kitchen labs to plan, prepare, serve and evaluate a variety of foods. Students will practice practical applications of reading, math, and teamwork while learning about measurement, nutrition and kitchen safety. Units include: pastries, fruits, poultry, breads, grains, nutrition, eggs, dairy & regional foods of the United States.

H267/H66502 CULINARY ARTS 2

Level: 2,3,4

One year

One unit

PREREQUISITE

- H26701 - H266 or department approval. H66502: Must pass Food Handlers Certificate during 1st semester of H26701.

Students expand their cooking and collaboration skills and are introduced to quantity food production while working in kitchen labs to plan, prepare, serve and evaluate a variety of foods. Students will practice practical applications of reading, math, and teamwork while learning about measurement and nutrition. Students have the opportunity to earn their Illinois Food Handlers Certificate while learning about kitchen safety & sanitation. Units include: meats, vegetables, seafood, cakes, soups, sauces, appetizers, special diets & international cuisine.

HARPER CREDIT COURSE

- H66502: FSM109 Intro to Food Prep/Production, 4 credit hours.

H276 FASHION CONSTRUCTION I

Level: 2,3,4

One year

One unit

PREREQUISITE

- H236 or department approved.

This course is designed for beginning students interested in fashion. Working with sewing machines, students are placed in an independent environment with semester project requirements. Emphasis is placed on creativity, fabric and pattern design, and illustration. Professional sewing equipment is available for student use. Options for the year include a fashion show, design contests, and career opportunities in the fashion industry. Most equipment is supplied except for personal project expenses.

H277 FASHION CONSTRUCTION II

Level: 3,4

One year

One unit

PREREQUISITE

- Successful completion of H276 Fashion and/or department approval.

This course is designed for experienced students interested in fashion. Working with sewing machines, students are placed in an independent environment with semester project requirements. Emphasis is placed on creativity, fashion design and merchandising, special fabrics, and advertising. Options for the year include color analysis, fashion show production, and illustration and design contests. Work opportunities are experienced through field trips related to the fashion industry. Most equipment is supplied except for personal project expenses.

H333/H66702 FOOD AND NUTRITION SCIENCE

Level: 3,4

One unit

(Schaumburg and Palatine Only) (class meets for 2 periods)

PREREQUISITE

- H333 2 years of Science, and 1 year of Foods (H266 or H267) or department approval and concurrent enrollment in S333.
- H66702: Must pass Food Safety Certification Examination during 1st semester H33301.

Chemistry of Foods provides students the opportunity to participate in food preparation while learning the scientific basis of chemical and biological processes involved in the culinary arts. Students completing this course will attain Food Safety Certification status by building on and applying the concepts of food preparation and bacteriology. This course will provide guided practice and certification for the student who is pursuing a career in the culinary field, while providing an overview of the restaurant industry for the student who is still expanding their horizons. Students will apply what they learn through participation in an in-house restaurant/catering component. The class meets two periods, and is team taught by teachers from the Family & Consumer Sciences and Science departments.

HARPER CREDIT COURSE

- H66702: FSM114 Food Standards and Sanitation, 2 credit hours.

H346 LIVING ON YOUR OWN

Level: 3,4

One semester

One-half unit

This course presents a fresh look at life in today's world. It studies the foundation of adult living, which includes developing communication and problem-solving skills, dating, marriage, basic nutrition, food preparation, wardrobe selection and care, personal finance, living arrangements, and college and vocational studies. LOYO will help students adapt to living independently in a variety of settings following high school graduation.

H352 CAREER INTERNSHIP 1, H452 CAREER INTERNSHIP 2

Level: 3,4

One or two years

Two units per year

(Students also must enroll in H362, H372, or H382 Work Experience). Students must be 16 years of age or older.

Career Internship fulfills a student's need to obtain training in the world of work while developing skills in both employee/ employer relationships and living as an independent consumer. Students may enroll in Career Internship for one or two years. This program provides opportunities for on-the-job instruction related to Family and Consumer Sciences. On-the-job training may include work in care and guidance of children, fashion merchandising, clothing, food services or production, health occupations, and other personal and public service occupations.

Daily classroom activities are designed to assist students with job adjustment, learning to be a responsible consumer, career planning, and independent study relating to each student's occupational interest. In the second year of the program, a training plan is developed which builds on skills learned the previous year. The first year of this program satisfies the State/ District 211 Consumer Education requirement.

H453/H65302 INTRODUCTION TO EDUCATION

Level: 3,4

One unit

PREREQUISITE

- Department approval; application process.

Introduction to Education is designed for students who are interested in exploring careers in the fields of education, coaching, psychology and social services. This course provides an introduction to teaching as a profession in the American education system, offers a variety of perspectives on educational including historical, philosophical, social, legal and ethical issues in a diverse society and includes organizational structure and school governance.

This course must be taken concurrently with either H454 Secondary Education Internship Experience OR H455 Elementary Education Internship Experience.

HARPER CREDIT COURSE

- H65302: EDU201 Introduction to Education, 3 credit hours.

H454 SECONDARY EDUCATION INTERNSHIP EXPERIENCE

Level: 3,4

One unit

PREREQUISITE

- Taken concurrently with H453 Introduction to Education.

This course is for students interested in continuing their exploration in the field of secondary education. Students must accept the responsibility of good citizenship, regular attendance and cooperation in working closely with a supervising teacher in the subject of their choice to carry out a variety of classroom tasks and activities.

H455 ELEMENTARY EDUCATION INTERNSHIP EXPERIENCE

Level: 3,4

One unit

PREREQUISITE

- Taken concurrently with H453 Introduction to Education. H256 & H257 recommended.

Elementary Education Internship Experience has been developed in cooperation with School Districts 15 and 54. Students enrolling in this course should have an interest in working with children and will explore careers in the fields of elementary education, psychology and social services. They must accept the responsibility of good citizenship, regular attendance and cooperation in working closely with one or more supervising teachers to carry out a variety of classroom tasks and activities.

FAMILY & CONSUMER SCIENCES INDEPENDENT STUDY

Level: 2,3,4

PREREQUISITE: Successful completion of course sequence or department approval.

H456 ADVANCED ECE INDEPENDENT STUDY 1

one year/one unit

H457/H65702 ADVANCED ECE INDEPENDENT STUDY 2

one year/one unit

HARPER CREDIT COURSE

- H65702: ECE 101 Intro to Early Childhood Education, 3 college credits.

H466 CULINARY ARTS INDEPENDENT STUDY 1

one year/one unit

H467/H66702 CULINARY ARTS INDEPENDENT. STUDY 2

one year/one unit

Hoffman Estates, Palatine, and Fremd High School only

PREREQUISITE

- H66702: Must pass Food Safety Certification Examination during 1st semester H46701.

HARPER CREDIT COURSE

- H66702: FSM114 Food Standards and Sanitation, 2 college credits.

H476 FASHION CONSTRUCTION INDEPENDENT STUDY 1

one year/one unit

H477/H67702 FASHION CONSTRUCTION INDEPENDENT STUDY 2

one year/one unit

HARPER CREDIT COURSE

- H67702: FAS100 Industrial Sewing Methods; 3 college credits.

H482 DESIGN INDEPENDENT STUDY 1

one year/one unit

H483/H68302 DESIGN INDEPENDENT STUDY 2

one year/one unit

HARPER CREDIT COURSE

H68302: FAS112 Fashion Basics, 3 college credits.

H446 INTERIOR DESIGN INDEPENDENT STUDY 1

one year/one unit

H447 INTERIOR DESIGN INDEPENDENT STUDY 2

one year/one unit

Students who are interested in exploring a specific Family & Consumer Sciences discipline are provided the opportunity to pursue an in-depth study of the special interest area. Students work with the instructor to plan and complete individual projects based on the student's interest and career goals.

MATHEMATICS



FRESHMAN	SOPHOMORE	JUNIOR	JUNIOR
M328 1 Unit Acc. Algebra 2/ Pre-Calculus	M438 1 Unit Trig./Calculus A	M479 1 Unit AP Calculus BC	M578 1 Unit Multivariable Calculus
M218 1 Unit Acc. Geometry	M328 1 Unit Acc. Algebra 2/Pre-Calculus	M438 1 Unit Trigonometry/Calculus A	M419 1 Unit AP Statistics
M217 1 Unit Plane & Solid Geometry	M308 1 Unit Advanced Algebra 2	M408 1 Unit Adv. Trig./Pre-Calculus	M479 1 Unit AP Calculus BC
M147 1.5 Units Advanced Algebra 1	M317 1 Unit Algebra 2	M436/M64702 1 Unit Stats. & College Algebra	M449 1 Unit AP Calculus AB
M117 1 Unit Algebra	M248 1.5 Units Adv. Geometry & Trig.	M438/M64702 1.5 Units Adv. Algebra 2/Pre-Calc.	M419 1 Unit AP Statistics
M114 1 Unit Algebra 1	M217 1 Unit Plane & Solid Geometry	M317 1 Unit Algebra 2	M437/M63702 1 Unit Calc. for Bus. & Soc. Sci.
M113 2 Units Algebra	M214 1 Unit Plane & Solid Geometry	M314 1 Unit Algebra 2	M459 1.5 Units AP Calculus AB
M111 1 Unit Intro. to Sec. Mathematics	M114 1 Unit Algebra 1	M214 1 Unit Plane & Solid Geometry	M436/M64702 1 Unit Stats. & College Algebra
	M212 1 Unit Exp. of Geometric Topics	M312 1 Unit Concepts in Mathematics	M435/M63502 1 Unit Quantitative Literacy
			M434 1 Unit Data Modeling w/ Algebra
			M314 1 Unit Algebra 2

Solid lines are mainstream sequences; dashed lines are alternative selections made through recommendations.

COMPUTER SCIENCE ELECTIVES

M256 1 Unit Intro. to Computer Programming & Software Designer	M319 1 Unit AP Computer Science Principals	M448 1 Unit Mobile App Development	M468 1 Unit Ind. Computer Science
M266 .5 Unit Apps. in Computer Programming	M359 .5 Unit AP Computer Science A		

MATHEMATICS

All freshmen in High School District 211 enroll in a mathematics course. Placement at the freshman Level is determined by entrance test scores and junior high school performance. A second year of mathematics is taken during the sophomore year and additional mathematics courses are required until the student successfully completes a 300-Level course.

Freshmen who have successfully completed junior high school algebra may be placed in M217 Plane and Solid Geometry or M218 Accelerated Plane and Solid Geometry. Other freshmen may be placed in M117 Algebra 1, M114 Algebra 1, M113 Algebra I, M111 Introduction to Secondary Mathematics, M120 Essential Mathematics, or M100 Applied Mathematics 1.

A student who fails to meet the grade PREREQUISITE for any course must repeat the requisite course to improve the grade in order to proceed to the next sequential course.

College-bound students are encouraged to complete four years of mathematics, including trigonometry.

The Mathematics Departments of High School District 211 provide honors and accelerated programs which allow students to complete up to three semesters of calculus leading to Advanced Placement examinations. Advanced Placement testing in computer science (JAVA) and statistics also are available.

M100, M200 BASIC MATHEMATICAL APPLICATIONS

Level: 1,2

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

This course is designed to teach students basic computational and money skills to increase the student's independence in the community. Money skills, whole number operations, time, and calculator usage are emphasized.

M111 INTRODUCTION TO SECONDARY MATHEMATICS

Level: 1,2

One year

One unit

This course reinforces arithmetic skills, as their mastery is essential for continued study of mathematics. Pre-Algebra skills of variable recognition, signed numbers, formulas, and single variable equations are introduced as well as beginning geometry topics.

M113 ALGEBRA 1

Level: 1,2,3

One year

Two units

PREREQUISITE

- Acceptable performance on the entrance examination or department approval.

This course introduces students to the fundamental principles of algebra with extended instruction and practice. Algebraic symbolism, simplifying expressions, solutions to elementary equations, and the graphic representations associated with variables will be introduced. (NCAA Core Course, 1 unit)

M114 ALGEBRA 1

Level: 1,2,3

One year

One unit

PREREQUISITE

- Acceptable performance on the entrance examination or department approval.

This course introduces students to the fundamental principles of algebra. Algebraic symbolism, simplifying expressions, solutions to elementary equations, and the graphic representations associated with variables will be introduced. (NCAA Core Course)

M117 ALGEBRA 1

Level: 1

One year

One unit

PREREQUISITE

- Acceptable performance on entrance examination.

This course introduces students to the fundamental principles of algebra. Algebraic symbolism, simplifying expressions, solutions to equations, and the graphic representations associated with variables are among the course topics. This course emphasizes the algebraic processes applied to word problems. (NCAA Core Course)

M147 ADVANCED ALGEBRA 1

Level: 1

One year

One and one-half units

PREREQUISITE

- *Acceptable performance on entrance exam.*

This accelerated course is a comprehensive study of algebra including algebraic symbolism, simplifying expressions, solutions to equations, and graphic representations associated with variables. The course will also include advanced techniques of graphing, solving equations and inequities, and functions in preparation for M248 Advanced Geometry and M247 Advanced Trigonometry. This course requires a graphing calculator. *(NCAA Core Course)*

M170 ESSENTIAL MATHEMATICS

Level: 1

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course reinforces arithmetic skills aligned to the state's performance indicators with emphasis on number operation, patterns, ratios, proportions, and estimation. Pre-algebra skills of variable recognition, formulas, and single variable equations are introduced as well as beginning Geometry concepts such as points, lines, planes, and space.

M212 EXPLORATIONS OF GEOMETRIC TOPICS

Level: 2,3,4

One year

One unit

PREREQUISITE

- *M114, M113, M111.*

The course exposes students to a sampling of basic geometric topics including measuring, points, lines, planes, perimeter, area, volume, similarity, congruence, polygons and transformations. This course does not meet the NCAA clearinghouse rules. Students desiring to take Algebra 2 must enroll in at least M214 to satisfy the geometry PREREQUISITE of Algebra 2.

M214 PLANE AND SOLID GEOMETRY

Level: 2,3,4

One year

One unit

PREREQUISITE

- *M113 Algebra, M114 Algebra 1, or M117 Algebra 1 (D).*

This study of geometry involves studying the axioms and theorems that relate points, lines, planes, and solids. An overview of plane and solid geometry is presented through geometric constructions, measurement formulas, and limited writing of formal proofs. *(NCAA Core Course)*

M217 PLANE AND SOLID GEOMETRY

Level: 1,2,3

One year

One unit

PREREQUISITE

- *M117 Algebra 1 (A,B,C) or acceptable performance on Algebra examinations.*

This comprehensive study of plane and solid geometry includes constructions, formulas for measurement, and formal proofs. It is based on the axioms and theorems that relate points, lines, planes, and solids. Algebraic techniques are integrated into the solution of many geometric problems. *(NCAA Core Course)*

M218 ACCELERATED PLANE AND SOLID GEOMETRY

Level: 1,2

One year

One unit

PREREQUISITE

- *High performance on Algebra examinations or department approval.*

This accelerated course is a comprehensive study of plane and solid geometry including constructions, formulas for measurement and formal proofs. It is based on the axioms and theorems that relate points, lines, planes, and solids. Many of the topics are covered in great depth, especially area and volume of solids. Additional emphasis is placed on the integration of algebraic techniques in solving geometric problems. *(NCAA Core Course)*

M248 ADVANCED GEOMETRY AND TRIGONOMETRY

Level: 2

One year

One and one-half units

PREREQUISITE

- *M147 (A,B,C).*

This accelerated course is a comprehensive study of plane and solid geometry including constructions, formulas for measurement and formal proof. It is based on the axioms and theorems that relate points, lines, planes, and solids. Many topics are covered in great depth, especially area and volume of solids. Additional emphasis is placed on the integration of algebra techniques in solving geometric problems. In the study of trigonometry, the student applies algebra and geometry skills to circular and periodic functions with applications in preparation for M348 Advanced Algebra 2/Pre-Calculus. This course requires a graphing calculator. *(NCAA Core Course)*

M256 INTRODUCTION TO COMPUTER SCIENCE AND SOFTWARE DESIGN

Level: 1,2,3,4

One year

One unit

Students are introduced to the fundamentals of computer science through the creation of software applications. Examples may include: games, phone apps, interactive webpages, networked programs, and interactive animations. No previous knowledge of computer programming is required. *(NCAA Core Course)*

M266 APPLICATIONS OF COMPUTER PROGRAMMING

Level: 2,3,4

One-half year

One-half unit

PREREQUISITE

- *M256 Computer Programming: A Multimedia Approach and department approval.*

Through independent study, students apply their computer programming skills to complete highly individualized projects. *(NCAA Core Course)*

M270 ALGEBRA AND GEOMETRY CONCEPTS

Level: 2

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course reinforces skills needed for achieving early high school benchmarks of the Illinois Learning Standards. It introduces algebra concepts such as exponents, algebraic expressions, and graphing. Beginning plane and solid geometry topics are introduced.

M296 GEOMETRY IN CONSTRUCTION

Level: 2,3

One year

One unit

PREREQUISITE

- *M114 or M117.*

The purpose of this course is to have students experience putting geometry into action by building real world construction projects. Geometry in Construction is team taught by both math and applied technology teachers. This interdisciplinary course integrates geometry and construction topics through the building of significant construction projects. The goal is to provide students with a better understanding of both the geometry and the construction content taught in the math department, and prepares students for the subsequent math courses. Students will gain hands-on, real-world experience in different areas of construction. Additional emphasis is given to teamwork, problem-solving, and the promotion of

employable attributes. **This is a double-period course that offers both a Math credit and an Applied Technology credit.** *(NCAA Core Course)*

M308 ADVANCED ALGEBRA 2

Level: 2

One year

One unit

PREREQUISITE

- *M217 with department approval.*

This advanced course is designed for students who have proficient knowledge of algebra and geometry. M308 Advanced Algebra 2 will place an emphasis on questioning, summarizing, justifying, and evaluating. Ideas presented involve advanced techniques of graphing, methods of solving equations and inequalities, and functions. Students are prepared to begin their study of M408 Advanced Trigonometry/PreCalculus. This course requires a graphing calculator. *(NCAA Core Course)*

M312 CONCEPTS IN MATHEMATICS

Level: 3,4

One year

One unit

PREREQUISITE

- *Department chair approval and two years of credit in high school mathematics.*

The course exposes students to a sampling of basic mathematical topics including percent, interpretation of data, probability, tables and graphs, polynomial operations, linear and quadratic functions. This course does not meet the NCAA clearinghouse rules. Students desiring to take Trigonometry must enroll in at least M314 to satisfy the Algebra 2 PREREQUISITE of Trigonometry.

M314 ALGEBRA 2

Level: 2,3,4

One year

One unit

PREREQUISITE

- *M214 Plane and Solid Geometry.*

This course reviews topics introduced in M114 Algebra 1 and expands upon them. All standard Algebra 2 topics are covered. The topics include methods of solving equations and inequalities, graphing techniques, conics, and logarithms. This course requires a graphing calculator. *(NCAA Core Course)*

M317 ALGEBRA 2

Level: 2,3,4

One year

One unit

PREREQUISITE

- M117 Algebra 1 (A,B,C) and M217 Plane and Solid Geometry.

This course is designed for students who have a good knowledge of algebra and geometry. Concepts presented in earlier course work are reviewed and expanded. Ideas presented involve advanced techniques of graphing, methods of solving equations and inequalities, and functions. Students are prepared to begin their study of pre-calculus. This course requires a graphing calculator. *(NCAA Core Course)*

M319 AP COMPUTER SCIENCE PRINCIPLES

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Concurrent enrollment in any accelerated math course or completion of M256.

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to creative aspects of programming, using abstractions and algorithms, working with large data sets understandings of the Internet and issues of cybersecurity, and impacts of computing that affect different populations. Students will learn to use current technologies in order to solve problems and create meaningful computational artifacts. *(NCAA Core Course)*

M328 ACCELERATED ALGEBRA 2/PRE-CALCULUS

Level: 1,2,3

One year

One unit

PREREQUISITE

- M218 (A,B) or department approval.

This accelerated course is designed for students who have an excellent knowledge of algebra and geometry. M328 Accelerated Algebra 2 briefly reviews concepts presented in earlier course work and then rigorously expands and applies them to other areas of mathematics. In addition, selected topics from pre-calculus are studied. Ideas presented in this course involve advanced techniques of graphing and solving equations and inequalities and prepares students to take M439 Trigonometry/Calculus A. This course requires a graphing calculator. *(NCAA Core Course)*

M348/M64702 ADVANCED ALGEBRA 2/ PRE-CALCULUS

Level: 3

One year

One and one-half units

PREREQUISITE

- M248 (A,B,C).
- M64702 - SAT Math 530+ or ACT 22+ or ALEKS 46+ or M63502 "C-" or above or MTH080 70%+, AND 2 semesters of Geometry with "C-" or above.

This accelerated course rigorously expands upon the study of advanced techniques of graphing, solving equations and inequalities, functions (including circular and periodic functions), and trigonometric identities. Students will apply their skills to series and sequences, probability, statistics, limits, and derivative in preparation for M459 Advanced Placement Calculus AB. This course requires a graphing calculator. *(NCAA Core Course)*

HARPER CREDIT COURSE

- M64702: MTH103, College Algebra, 3 college credit hours.

M359 ADVANCED PLACEMENT COMPUTER SCIENCE A

Level: 2,3,4

One year

One unit

PREREQUISITE

- Concurrent enrollment in M328 or higher, completion of M319 or M256 (A,B,C) or department approval).

The JAVA language allows the programmer to process data as well as perform mathematical calculations. In Advanced Placement Computer Science, data structures, programming algorithms, and structured programming are used. Students are expected to use analytical thinking in solving problems and use top-down design methods in developing programs. **AP Computer Science is a strongly encouraged elective any time course PREREQUISITES are met and can be taken in conjunction with another math class.***(NCAA Core Course)*

M370 CONSUMER MATHEMATICS

Level: 3,4

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

This course targets consumer math skills used in everyday situations such as paying taxes, purchasing a car, investing and managing a household. A full year in this course meets the state of Illinois requirement for consumer education.

M408 ADVANCED TRIGONOMETRY AND PRE-CALCULUS

Level: 3

One year

One unit

PREREQUISITE

- M308 with department approval.

This advanced course is designed to create a foundation of knowledge needed for success in an advanced placement math course senior year. In the study of trigonometry, the student will apply algebra and geometry skills to circular and periodic functions with applications. In the study of pre-calculus, students will apply their skills to series and sequences, probability, statistics, limits, and derivatives in preparation for M419 AP Statistics and M449 AP Calculus AB. This course requires a graphing calculator. *(NCAA Core Course)*

M419 ADVANCED PLACEMENT STATISTICS

Level: 2,3,4

One year

One unit

PREREQUISITE

- M408, M438, M436 or concurrent enrollment in M408 or M438 with department approval.

The study of statistics is now a requirement for many university majors. Students in this class will perform statistical tests on data sets using technology in order to organize, analyze, and predict outcomes. This course will follow the guidelines of the Advanced Placement Statistics program. Students are encouraged to take the Advanced Placement exam of the College Entrance Examination Board. This course requires use of a computer and graphing calculator. *(NCAA Core Course)* **AP Statistics is a strongly encouraged elective any time course PREREQUISITES are met and can be taken in conjunction with another math class.**

M434 DATA MODELING WITH ALGEBRA

Level: 4

One year

One unit

PREREQUISITE

- Seniors who have successful completion of state high school graduation requirement in math and SAT score of 300 or above.

This course develops beginning and intermediate algebra skills and includes an introduction to statistics. An emphasis will be placed on data modeling using linear, quadratic, exponential, and logarithmic. Students will learn how to organize and interpret data and make predictions and decisions based on data. The course will be delivered through authentic application, problem-based instruction designed to build mathematical conceptual understanding and critical thinking skills. Students who earn a "C-" or above over 2 semesters will be able to apply this course for college placement at community colleges and some state universities. Illinois portability code TM002. *(NCAA Core Course)*

M435/M63502 QUANTITATIVE LITERACY

Level: 4

One year

One unit

PREREQUISITE

- M63402: SAT Math 530+ or ACT Math 22+ or MTH080 70%+, ALEKS 46+ or M64702 "C-" or above.

This dual enrollment course focuses on the analysis and solution of problems and includes representing and analyzing data using statistical measures, using logical reasoning in a real-world context, estimating, approximating, and judging the reasonableness of answers, and the use of appropriate approaches and tools, such as calculators and computers, in formulating and solving real-world problems. This course is aligned to MTH101 Quantitative Literacy at Harper Community College. Successful completion of the course results in college credit. *(NCAA Core Course)*.

HARPER CREDIT COURSE

- M63502: MTH101, Quantitative Literacy, 4 college credit hours, IAI M1 901.

M436/M64702 STATISTICS AND COLLEGE ALGEBRA

Level: 2,3,4

One year

One unit

PREREQUISITE

- M317.
- M64702: SAT Math 530+ or ACT Math 22+ ALEKS 46+ or M63502 "C" or above or MTH 080 70%+, AND 2 semesters of Geometry with "C" or above.

Students will study an introduction to statistics. prior to a College Algebra Dual Credit curriculum with an emphasis on questioning, summarizing, justifying, and evaluating. Ideas presented involve advanced techniques of graphing, methods of solving equations and inequalities, and functions. Successful completion with a "C" or higher in this course qualifies a student to take dual credit Business Calculus as a senior.

HARPER CREDIT COURSE

- M64702: MTH103, College Algebra, 3 college credit hours.

M437/M63702 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES

Level: 3,4

One year

One unit

PREREQUISITE

- M63702 - SAT Math 660+ or ACT Math 28+ or ALEKS 61+ or M64702 (MTH103) w/ "C" or higher.

Students will develop an intuitive approach to concepts of differential and integral calculus and apply these concepts to problems in social, behavioral, and management sciences.

HARPER CREDIT COURSE

- M637: MTH134 Calculus for Social Sciences, 4 college credit hours, IAI M1 900-B.

M438 TRIGONOMETRY - CALCULUS A

Level: 2,3,4

One year

One unit

PREREQUISITE

- M328 Accelerated Algebra 2/Pre-Calculus (A,B) or department approval.

In the study of trigonometry, the student applies algebra and geometry skills to circular and periodic functions and rotational velocity. Additional time is spent on extending the trigonometry identities in the first semester. The second semester study of calculus is no longer limited to those preparing for careers in mathematics and the sciences. The need and demand for students in business and social studies who can design procedures, predict and relate the principles of higher mathematics are increasing dramatically. This course emphasizes the applications of differentiation. It is the first of three semesters of college-Level calculus and satisfies the requirements for the first semester of calculus suggested by the Advanced Placement Program of the College Entrance Examination Board. This course requires use of a graphing calculator. (NCAA Core Course)

M448 MOBILE APPLICATION DEVELOPMENT

Level: 3,4

One year

One unit

PREREQUISITE

- "C-" or better in M359 or department chair approval.

Students will complete a study of Mobile App development including rapid iterative prototyping. The differences between Web Apps and Native Apps will be highlighted with relationship to the many deployment platforms available. Commonly accepted UI standards will be highlighted for each deployment platform. Students will use agile development techniques to produce quality apps with the intent of making them available to the public.

M449 ADVANCED PLACEMENT CALCULUS AB

Level: 4

One year

One unit

PREREQUISITE

- M328 Accelerated Algebra 2/Pre-Calculus (A,B) and Trigonometry, M417 Trigonometry, and Pre-Calculus (A), or M408.

The study of calculus is no longer limited to those preparing for careers in mathematics and the sciences. The need and demand for students in business and social studies who can design procedures, predict, and relate the principles of higher mathematics are increasing dramatically. This course emphasizes the various types and applications of differentiation and integration. Students are encouraged to take the Calculus AB Advanced Placement Exam of the College Entrance Examination Board. This course requires use of a graphing calculator. (NCAA Core Course)

M459 ADVANCED PLACEMENT CALCULUS AB

Level: 4

One year

One and one-half units

PREREQUISITE

- M348 (A,B,C).

This accelerated course is the high school equivalent to one semester of college-Level calculus. The student is provided additional support in advanced algebra and pre-calculus and prepared to enter college with a strong calculus background. Students are encouraged to take the Calculus AB Advanced Placement Exam. This course requires a graphing calculator. (NCAA Core Course)

M468 INDEPENDENT COMPUTER SCIENCE

Level: 3,4

One year

One unit

PREREQUISITE

- Completion of M448 or department chair approval.

Students complete an independent computer science project beyond M359 curriculum in a supportive environment. Projects will be designed and developed through consultation with the student's advisor (teacher) who will act as advisor/consultant throughout the project. (NCAA Core Course)

M479 ADVANCED PLACEMENT CALCULUS BC

Level: 3,4

One year

One unit

PREREQUISITE

- *M439 Trigonometry-Calculus A (A,B) or department approval.*

This course emphasizes applications of differentiation and integration in relationship to topics from trigonometry and college algebra. Calculus BC concludes the three-semester high school equivalent to two semesters of college-Level calculus. The student is prepared to enter college with a strong calculus background. Students are encouraged to take the Calculus BC Advanced Placement Exam of the College Entrance Examination Board. This course requires a graphing calculator. *(NCAA Core Course)*

M578/M67802 MULTIVARIABLE CALCULUS

Level: 3,4

One year

One unit

PREREQUISITE

- *M479 AP Calculus score of 4 or 5.*

This course is the 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. **M67802:** Students with AP Calculus BC scores of 4 or 5 are eligible to enroll in optional University of Illinois credit option at a cost of \$300. *(NCAA Core Course)*

M588/M68802 INDEPENDENT STUDY MATH

Level: 3,4

One year

One unit

PREREQUISITE

- *M579 (A,B) and department chair approval.*

Students complete an independent project beyond M579. Projects will be determined through consultation with the student's advisor (teacher) who will act as the advisor/consultant throughout the project. **M68802:** Eligible students may enroll in optional University of Illinois credit option at a cost of set by the university (\$800-\$1,100). *(NCAA Core Course)*

MUSIC



PERFORMANCE ENSEMBLES		EXPLORATORY COURSES NO EXPERIENCE REQUIRED	THEORY & ADVANCED COURSES
1 Unit	C157 Band 1 C257 Band 2 C357 Band 3 C557 Band 4	C162 Music Production 1	C365 Music Theory
	C124 Orchestra 1 C224 Orchestra 2 C324 Orchestra 3 C424 Orchestra 4		C469 AP Music Theory
	C135/C136 Chorus 1 C236 Chorus 2 C336 Chorus 3 C436 Chorus 4	C272 Fine & Performing Arts	C472 Music Independent Study
C172 Music Performance Special Topics The course content varies by school and may include mariachi, beginning band/orchestra, guitar or piano.			
		C364 Music Appreciation	

MUSIC

Music in Township High School District 211 emphasizes group performance activities. Large ensemble experiences are offered at various Levels in Band, Orchestral, and Choral music. Participation in these groups fosters individual musical proficiency while encompassing rudiments of music, music tradition (history), as well as encouraging positive group dynamics.

Education in music promotes development of the whole student and offers each an opportunity to intellectualize in a subjective manner. Through music study, students gain knowledge, skills, and understanding that will enable them to participate productively as individual and group members in the work place and community at large.

Performance groups meet daily during a regularly scheduled school hour. In addition, orchestra directors schedule required evening rehearsals to prepare for major concerts. Participants in all three disciplines are expected to perform scheduled concerts outside the regular school day as a mandatory part of the curriculum.

In instrumental music, larger, more costly instruments are provided by the district. In addition, uniforms and robes also are provided. For those where no provision has been made, the director may ask individuals to purchase apparel. In cases where this causes a financial hardship, each school has a method of accommodating these students. Classroom music is furnished.

C100 MUSIC EXPLORATION AND PERFORMING ARTS

Level: 1,2,3,4

One to four years

One-half to one unit per year

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is designed for students to experience the principles of sensory, formal technical and expressive qualities of vocal and instrumental music and movement. Students will participate in group performances throughout the year.

C124 ORCHESTRA 1

Level: 1,2,3,4

One year

One unit

Orchestra 1 provides instruction in violin, viola, cello, and string bass. Rehearsals will include technical studies, concert preparation, chamber music, repertoire expansion, and basic fundamentals of music theory and music history. Individual skills are developed in daily rehearsals and weekly technique classes, which are an integral part of the orchestra program. Using modern string methods, the course will help prepare the student for participation in Orchestra 2. Students must have consent of the instructor to enroll in C124 Orchestra 1.

C135 CHORUS 1

Level: 1,2,3,4

One year

One unit

This course is open to soprano and alto voices who are new to choir at the high school Level. Students will receive fundamentals necessary to progress to advanced groups. Individual talent is developed by private and/or class instruction which is an integral part of the chorus program. Participation at all scheduled formal concerts is a requirement of this class. At the discretion of the director, performances at festivals and

other events may also be required. No instructor approval is needed for this course.

C136 CHORUS 1

Level: 1,2,3,4

One year

One unit

This course is open to tenor and bass voices who are new to choir at the high school Level. Students will receive fundamentals necessary to progress to advanced groups. Individual talent is developed by private and/or class instruction which is an integral part of the chorus program. Participation at all scheduled formal concerts is a requirement of this class. At the discretion of the director, performances at festivals and other events also may be required. No instructor approval is needed for this course.

C157 BAND 1

Level: 1,2,3,4

One year

One unit

This course is open to students with previous band experience, as well as those students with limited training and experience. Students will receive fundamentals necessary to progress to advanced groups. Individual skills are developed in daily rehearsals and weekly sectionals/technique classes, which are an integral part of the band curriculum. Participation at all scheduled formal concerts is a requirement of this class. At the discretion of the director, performances at festivals, home football games, basketball games, and other events also may be required. Students with no previous band experience need instructor approval to enroll.

C162 MUSIC PRODUCTION 1

Level: 1,2,3,4

One year

One unit

Students enrolled in this course will learn many aspects of music production and composition in a collaborative learning environment. Students will learn music theory and song form through the use of modern recording and production techniques including computer programming, sequencing, beat making and audio production.

C172 MUSIC PERFORMANCE SPECIAL TOPIC

Level: 1,2,3,4

One year

One unit

This course is open to students with little to no prior experience who want to explore performing music. The performance experience may vary by school in the district (guitar, piano, etc.). Students will learn the fundamentals of music theory and practical application of technical demands of their instrument. Public performance outside the school day for parents and community may be part of this course.

C224 ORCHESTRA 2

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

Orchestra 2 is open to all intermediate string players. Rehearsals will include technical studies, concert preparation, chamber music, repertoire expansion, and basic fundamentals of music theory and history. Students are given a variety of performance opportunities to increase musical maturity, nurture personal growth, and refine technical abilities. Individual skills are developed in daily rehearsals and weekly technique classes, which are an integral part of the orchestra program. Using modern string methods, the course will help prepare the student for participation in Orchestra 3.

C236 CHORUS 2

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

This course is designed to provide intermediate Level students with more advanced understanding of musical skills, rehearsal procedures, and general musicianship through the rehearsal and performance of choral literature. Individual talent is developed by private and/or class instruction which is an integral part of the choral program. Participation at all scheduled formal concerts is a requirement of this class. At the discretion of the director, performances at festivals and other events may also be required.

Students enrolling in C236 Chorus 2 must have previous training and be able to meet minimum objectives set by the department.

C257 BAND 2

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

This course is designed to provide intermediate Level students with more advanced understanding of musical skills, rehearsal procedures, and general musicianship through the rehearsal and performance of band literature. Individual skills are developed in daily rehearsals and weekly sectionals/technique classes, which are an integral part of the band curriculum. Participation at all scheduled formal concerts is a requirement of this class. At the discretion of the director, performances at festivals, home football games, basketball games, and other events also may be required. Students enrolling in C257 Band 2 must have previous training on a band instrument and be able to meet minimum objectives set by the department.

C262 MUSIC PRODUCTION 2

Level: 1,2,3,4

One year

One unit

Students enrolled in this course will learn many aspects of music production and composition in a collaborative learning environment. Students will learn audio production techniques such as mixing, sound effects and recording of live musicians. Projects will be extended and more complex than C162 coursework.

C272 FINE AND PERFORMING ARTS

Level: 1,2,3,4

One year

One unit

(C272 runs in partnership with C100).

The Fine and Performing Arts provides a collaborative learning environment in which students create, experience, and perform music of many styles and genres. This course is a unified learning environment in which basic objectives and skills will be met through appropriate activities designed for the students' Level of vocal or instrumental skill. This course runs in partnership with C100 Music Exploration and Performing Arts.

C324 ORCHESTRA 3

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

Orchestra 3 is open to all advancing string players. Rehearsals will include intermediate to advanced technical studies, concert preparation, chamber music, repertoire expansion, and fundamentals of music theory and history. Students are given a variety of performance opportunities to increase musical maturity, nurture personal growth, and refine technical abilities. Individual skills are developed in daily rehearsals and weekly technique classes, which are an integral part of the orchestra program. Using modern string methods, the course will help prepare the student for participation in Orchestra 4. In addition, students may be selected to audition for membership in the District 211 Honors Symphony Orchestra. The Honors Orchestra represents the highest Level of musicianship and presents an annual concert at one of the five District high schools on a rotating basis.

C336 CHORUS 3

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

This course is designed to provide intermediate/advanced Level students a deeper understanding of musical skills, rehearsal procedure, and general musicianship through the rehearsal and performance of intermediate and advanced choral literature. Individual talent is developed by private and/or class instruction which is an integral part of the choral program. Participation at all scheduled formal concerts is a requirement of this class. At the discretion of the director, performances at festivals and other events may also be required. Students enrolling in C336 Chorus 3 must have previous training and be able to meet minimum objectives set by the department.

C357 BAND 3

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

This course is designed to provide advancing students understanding of musical skills, rehearsal procedure, and general musicianship through the rehearsal and performance of intermediate and advanced band literature. Individual skills are developed in daily rehearsals and weekly sectionals/technique classes, which are an integral part of the band curriculum. Participation at all scheduled formal concerts is a requirement

of this class. At the discretion of the director, performances at festivals, home football games, basketball games, and other events also may be required. Students enrolling in C357 Band 3 must have previous training on a band instrument and be able to meet minimum objectives set by the department.

C364 MUSIC APPRECIATION

Level: 2,3,4

One-half year

One-half unit

Music Appreciation recognizes the need to educate students to be intellectual consumers of music. Emphasis is placed on the development of aural skills and the role of music in society. A prior musical background is helpful, but not necessary for enrollment.

C365 MUSIC THEORY

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *Department approval.*

Music Theory is an advanced course for those who want to increase their knowledge of the elements of music and/or to prepare for entrance into a college/university Level music program. Emphasis is placed on rhythmic, harmonic, and melodic analysis along with development of aural skills. Academic ability and prior participation in high school music (or formal private instruction) are strongly suggested.

C436 CHORUS 4

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

Membership in this highly selective group must also be based on the maintenance of proper choral balance. This course is designed to provide intermediate/advanced Level students a deeper understanding of musical skills, rehearsal procedure, and general musicianship through the rehearsal and performance of advanced choral literature. Individual talent is developed by private and/or class instruction which is an integral part of the choral program. Participation at all scheduled formal concerts is a requirement of this class. At the discretion of the director, performances at festivals and other events also may be required. Students enrolling in C436 Chorus 4 must have previous training and be able to meet minimum objectives set by the department.

C424 ORCHESTRA 4

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

Orchestra 4 is open to all advanced string players. Rehearsals will provide technical studies, concert preparation, chamber music, repertoire expansion, and basic fundamentals of music theory and history. Students are given a variety of performance opportunities to increase musical maturity, nurture personal growth, and refine technical abilities. Individual skills are developed in daily rehearsals and weekly technique classes, which are an integral part of the orchestra program. In addition, advanced string students will be auditioned for membership in the District 211 Honors Symphony Orchestra. The Honors Orchestra represents the highest Level of musicianship and presents an annual concert at one of the five District high schools on a rotating basis.

C457 BAND 4

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Audition or consent of the director.*

Since a fairly rigid instrumental balance must be maintained, new members are admitted only when vacancies occur. Emphasis will be placed on advanced band literature, and intellectual and cultural growth. Individual skills are developed in daily rehearsals and weekly sectionals/technique classes, which are an integral part of the band curriculum. Participation at all scheduled formal concerts is a requirement of this class. At the discretion of the director, performances at festivals, home football games, basketball games, and other events also may be required. Students enrolling in C457 Band 4 must have previous training on a band instrument and be able to meet minimum objectives set by the department.

C469 AP MUSIC THEORY

Level: 3,4

One year

One unit

PREREQUISITE

- *Students must be concurrently enrolled in a 300-Level or 400-Level music course or department chair approval for students with music experience outside of school.*

The primary objective of this course is to develop a student's ability to recognize, understand, describe, and analyze basic materials and processes of tonal music that are heard or presented in a music score. Coursework is designed to integrate the student's development of aural, compositional, and analytical skills. Emphasis is placed on rhythmic, melodic and harmonic analysis along with the development of aural skills.

C472 MUSIC INDEPENDENT STUDY

Level: 3,4

One year

One unit

PREREQUISITE

- *Concurrent enrollment in a 300 or 400 Level music course or department chair approval.*

This course allows students who are interested in pursuing a career in music to gain additional knowledge and experience in an area of particular interest. With the help and supervision of the instructor, students explore in-depth topics in such areas as composition, conducting, music production and technology, recording, or other related areas. Students working on independent study projects must show personal initiative and self-direction in developing goals and carrying out plans. Research experimentation, project construction, and report writing are among appropriate student activities.

SCIENCE



FRESHMAN

S131
Biology
1 Unit

S137
Biology
1 Unit

SOPHOMORE

S221
Physical Science
1 Unit

S233
Physical Science
1 Unit

S234
Earth Science
1 Unit

S332
Chemistry
1 Unit

JUNIOR

S233
Physical Science
1 Unit

S353
Applied Science
1 Unit

S234
Earth Science
1 Unit

S332
Chemistry
1 Unit

S432
Physics
1 Unit

S359
AP Physics 1
1 Unit

SENIOR

S332
Chemistry
1 Unit

S347
Biology 2
1 Unit

S432
Physics
1 Unit

S437
Anatomy & Physiology
1 Unit

S457
Adv. Topics in Science
1 Unit

S458
Advanced Chemistry
1/2 Unit

S469
AP Physics C
1 Unit

S468
Advanced Physics
1/2 Unit

S332
AP Chemistry
1-1/2 Units

S449
AP Biology
1-1/2 Units

Additional elective upper-level courses. Please check PREREQUISITES.

S333
Food & Nutrition Science
1 Unit

S334
Astronomy
1/2 Unit

S334
Astronomy II
1/2 Unit

S335
Geology
1/2 Unit

S336
Environmental Studies
1/2 Unit

S478
Applications in Advanced Chemistry
1/2 Unit

S352
Forensic Science
1/2 Unit

S429
AP Environmental
1 Unit

S138
Biology
1 Unit

S338
Chemistry
1 Unit

S369
AP Physics 1 & 2
1-1/2 Units

S359
AP Physics 1
1 Unit

Solid lines are mainstream sequences; dashed lines are alternate selections usually made through recommendations.

SCIENCE

Our mission is two-fold. We are preparing some students for further study in science and engineering. We also accept the responsibility to educate all of tomorrow's citizens for a world that demands increasing familiarity with science and technology.

All students must complete two years of science, which shall consist of one year of biology and one year of a non-biology course. In addition, college-bound students should take chemistry and physics. Students are advised not to specialize in a particular science discipline until they have taken basic courses in several of the major fields.

S131 BIOLOGY

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Placement test and junior high teacher recommendation.

This course is designed for student learning through the investigative approach. Areas studied in this laboratory course include the unifying concepts of the cell; the organism and its relationship to its environment; and reproduction, growth, and development of humans in their environment. *(NCAA Core Course)*

S137 BIOLOGY

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Placement test and junior high teacher recommendation.

The investigative approach is used in this laboratory course. The unified cellular approach to biology has the following major themes: science as investigation and inquiry; the relationship of structure and function; diversity of type and unity of pattern; genetic continuity; and the relationship of organism and environment. *(NCAA Core Course)*

S138 BIOLOGY

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Placement test and junior high teacher recommendation.

This is an accelerated course with content similar to S137 Biology; however, areas of study are more thoroughly investigated. A greater emphasis is placed on student-directed laboratory activities. The use of critical thinking and problem-solving skills is stressed. *(NCAA Core Course)*

S170 GENERAL SCIENCE

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

Basic divisions of science are covered including the fundamentals

of electricity, weather, earth structure and dynamics, astronomy, chemistry, biology, plant science, and geography. Improving organizational skills and reading comprehension also are course goals.

S200 PHYSICAL SCIENCE

Level: 2,3

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

Students learn about the basic divisions of science including the fundamentals of geology, ecology, life processes, astronomy, weather, and electricity.

S221 PHYSICAL SCIENCE

Level: 2,3,4

One year

One unit

PREREQUISITE

- S131 Biology.

This course is designed for student study of the principles of measurement, kinetics, mechanics, optics, electricity, magnetism, and chemistry. Class work emphasizes the learning of science through laboratory experiences. *(NCAA Core Course)*

S233 PHYSICAL SCIENCE

Level: 2,3,4

One year

One unit

PREREQUISITE

- S137 Biology or department recommendation.

This introductory laboratory course combines the study of physics and chemistry, focusing on theory as well as many practical aspects of both sciences. Topics may include heat, energy, mechanics, motion, waves, sound, classification of matter, chemical formulas, and chemical reactions. *(NCAA Core Course)*

S234 EARTH SCIENCE

Level: 2,3,4

One year

One unit

PREREQUISITE

- *S137 Biology or department recommendation.*

Lessons in this laboratory course are designed to survey earth processes. Topics studied include the changing earth, earth materials, earth motions, energy flow, meteorology, oceans, climatic patterns, mountain formation, the earth's history, and astronomy. *(NCAA Core Course)*

S270 HEALTH SCIENCE

Level: 2

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is designed to explore our physical, psychological, and emotional needs. Emphasis is given to learning activities which stress the development of healthy lifestyles that will enable students to achieve their full potential as human beings.

S300 SCIENCE/HEALTH

Level: 2,3

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

Students learn the basics of good health and how to assume increased responsibility for their own health. Units of study include birth and early development, psychological systems, disease prevention, environmental health, family living, mental health, and responsible human relations.

S332 CHEMISTRY

Level: 2,3,4

One year

One unit

PREREQUISITE

- *Completion of one year of a science class and concurrent enrollment or completion of M248, M308 or M317, or department recommendation.*

Standard topics of the mole concept, periodicity, chemical energy, reaction rates, acids, and bases are introduced. The application of the concepts of chemistry to societal needs and problems is a very important aspect of the course. Heavy emphasis is placed on laboratory work. *(NCAA Core Course)*

S333 FOOD & NUTRITION SCIENCE

Level: 3,4

One unit (double class)

PREREQUISITE

- *2 years of Science, and 1 year of Foods (H266 or H267), concurrent enrollment in H333 or department recommendation.*

Chemistry of Foods provides students the opportunity to participate in food preparation while learning the scientific basis of the chemical and biological processes involved in the culinary arts. Students completing this course will attain Food Safety Certification status by building on and applying to the concepts of food preparation and bacteriology. This course will provide guided practice and certification for the student who is choosing the profession while providing an overview of the restaurant industry for the student who is still expanding their horizons. Students will apply what they learn through participation in an in-house restaurant/catering component. The class meets two consecutive periods and is team taught by teachers from the Family and Consumer Sciences and Science departments. Students enrolled in the course will have a common lunch period to allow for flexibility on production days. *(NCAA Core Course)*

S334 ASTRONOMY

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *"C" or higher in S233 Physical Science or S234 Earth Science.*

Astronomy presents a study of both the solar and stellar systems. Topics studied include examination of the properties of the planets, the moon, the sun, comets, meteors, stars, and galaxies. Theories on the origin of the universe and development of the field of astronomy also are examined. *(NCAA Core Course)*

S335 GEOLOGY

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *"C" or higher in S234 Earth Science.*

In this course, students build on knowledge learned in S234 Earth Science. They learn to analyze a specific landscape area, looking for both constructive and destructive forces which have shaped the land. Students will reconstruct a geological history of an area. *(NCAA Core Course)*

S336 ENVIRONMENTAL STUDIES

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *S137 Biology or S138 Biology.*

This course explores environmental issues with a global perspective. Individual continents are studied to see the conflicts created when man manipulates natural cycles and processes. Examples of some topics covered in this course include: pollution, global warming, endangered species, overpopulation, land usage, and conservation. The course also educates students on environmental conservation projects being used within their own communities. *(NCAA Core Course)*

S338 ACCELERATED CHEMISTRY

Level: 2,3,4

One year

One unit

PREREQUISITE

- Completion of one year of a science class and concurrent enrollment or completion of M308 or M328 or department recommendation.

This is an accelerated course with topics similar to S332 Chemistry, but covered in more depth with greater emphasis on mathematical concepts and their application to these topics. Laboratory work is emphasized. *(NCAA Core Course)*

S344 ASTRONOMY 2

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- "C" or higher in S233 Physical Science or S234 Earth Science. "C" or higher in S334 Astronomy I.

In this course, students build on knowledge learned in S334 Astronomy. Topics studied include examination of the properties of the planets, moon, sun, comets, meteors, stars, and galaxies. *(NCAA Core Course)*

S347/S64702 BIOLOGY 2

Level: 3,4

One year

One unit

PREREQUISITE

- "C" or higher in S137 Biology or S138 Biology.

The course allows students to pursue a second year of biology. Major areas of study are cells and systems, ecological relationships, genetics, and biotechnology. The course utilizes a laboratory approach and is taught at a Level consistent with student abilities and course PREREQUISITES. This is a course for college-bound students, but it is not an accelerated course. *(NCAA Core Course)*

HARPER CREDIT COURSE

- S64702: B10101 Biology Survey, 3 credit hours, IAI L1900.

S352 FORENSIC SCIENCE

Level: 3,4

One semester

One-half unit

PREREQUISITE

- S432 or taking S432 concurrently with department approval.

Forensic Science is a one semester course designed for students who have an interest in applying their background of science to the field of forensics. This lab-based course will focus on topics such as: crime scene photography, DNA, ballistics, blood splatter, and fingerprint analysis. *(NCAA Core Course)*

S353 APPLIED SCIENCE

Level: 3,4

One year

One unit

PREREQUISITE

- S221 or department recommendation.

Applied Science is a topics-based science course exploring the connections between real world issues and classroom science. The emphasis will be on applying the processes of science, interpreting data and research and advancing scientific literacy to understand the role of science in our everyday lives. Forensics, roller coaster design, and sports equipment design are representative topics. Career connections are highlighted.

S359 ADVANCED PLACEMENT PHYSICS 1

Level: 3,4

One year

One unit

PREREQUISITE

- Completion of a 300-Level science class and concurrent enrollment or completion of M348, M408, M438 or M417 with department recommendation; or department recommendation.

AP Physics 1 is an algebra-based, introductory college-Level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and force, DC circuits, and mechanical waves and sound. Students are encouraged to take the AP Physics 1 exam in May. The class meets for one period per day and cannot be taken pass/fail. *(NCAA Core Course)*

S369 ADVANCED PLACEMENT PHYSICS 1 & 2

Level: 3,4

One year

One and one-half units

PREREQUISITE

- Completion of a 300-Level science class and concurrent enrollment or completion of M348, M408, M438 or M417 with department recommendation; or department recommendation.

Advanced Placement Physics allows students to pursue college-Level study while in high school. The course places emphasis upon the principal topics covered in introductory college physics courses. The course covers mechanics; heat, fluids, kinetic theory and thermodynamics; electricity and magnetism; waves and optics; and atomic and nuclear physics. Students are encouraged to take both the Advanced Placement Physics 1 and Physics 2 exams in May. The class meets 1.5 periods per day and cannot be taken pass/fail. *(NCAA Core Course)*

S429 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

Level: 3,4

One year

One unit

PREREQUISITE

- Completion of S137 or S138 Biology and S338 Chemistry or S332 Chemistry with department recommendation; or department recommendation.

Advanced Placement Environmental Science allows students to pursue college-Level study while still in high school. The course places emphasis upon the principal topics covered in introductory college environmental science courses. The topics covered include earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution and global change. Students are encouraged to take the Advanced Placement exam in May. (NCAA Core Course)

S432 PHYSICS

Level: 3,4

One year

One unit

PREREQUISITE

- S332 or S338 Chemistry.

This course emphasizes the following major topics: concepts of time, space and matter; motion and forces; optics and light; electricity and magnetism; and atomic physics. A heavy emphasis is placed on laboratory work. (NCAA Core Course)

S437/S63702 ANATOMY AND PHYSIOLOGY

Level: 3,4

One year

One unit

PREREQUISITE

- "C" or higher in S137 or S138 Biology and S332 or S338 Chemistry.

This course focuses on the human body and its complexity. While this class will benefit students who are interested in the healthcare field, all students will have the opportunity to take part in exposure to anatomy and physiology. This will benefit careers such as biotechnology, pharmaceutical, and psychology. This class supports the STEM initiative which encourages high school students to venture into science and engineering professions. This course would earn one credit in science. (NCAA Core Course)

HARPER CREDIT COURSE

- S63702: B10135 Intro to Anatomy and Physiology, 4 credit hours.

S439 ADVANCED PLACEMENT CHEMISTRY

Level: 3,4

One year

One and one-half units

PREREQUISITE

- Completion of S338 or S332 Chemistry with department recommendation, and concurrent enrollment or completion of M348, M408, M417, M438; or department recommendation.

Advanced Placement Chemistry allows students to pursue college-Level study while in high school. The course places emphasis upon the principal topics covered in introductory college chemistry courses. The topics covered include atomic theory, chemical bonding, equilibrium, gas laws, acid-base reactions, stoichiometry, kinetics, thermodynamics, and organic chemistry. A heavy emphasis is placed on laboratory work. Students are encouraged to take the Advanced Placement exam in May. The class meets 1.5 periods per day and cannot be taken pass/fail. (NCAA Core Course)

S449 ADVANCED PLACEMENT BIOLOGY

Level: 3,4

One year

One and one-half units

PREREQUISITE

- Completion of S137 or S138 Biology, and S338 or S332 Chemistry with department recommendation; or department recommendation.

Advanced Placement Biology allows students to pursue college-Level study while still in high school. The Advanced Placement course places emphasis upon the principal topics covered in college introductory biology courses. The course is divided into three major areas: molecules and cells, genetics and evolution, and organisms and populations. Students are encouraged to take the Advanced Placement exam in May. The class meets for 1.5 periods per day and cannot be taken pass/fail. (NCAA Core Course)

S457 ADVANCED TOPICS IN SCIENCE

Level: 3,4

One year

One unit

PREREQUISITE

- "B" or higher in S332 Chemistry or S338 Chemistry and S432 Physics, S359 AP Physics 1 or S369 AP Physics 1 & 2 or taking S432, S359 or S369 concurrently or department recommendation.

Advanced Topics in Science is a course designed to study the connections between the sciences. Students will learn specific concepts through the study of current issues. Sports technology, genetics, neurology, and chaos theory are representative units of study. Emphasis will be placed on experimental, research, and technology skills. (NCAA Core Course)

S458 ADVANCED CHEMISTRY

Level: 4

One-half year

One-half unit

PREREQUISITE

- “B” or higher in S332 Chemistry or S338 Chemistry and S432 Physics or S369 Advanced Placement Physics; or department recommendation.

Basic chemistry topics are reviewed and explored in greater depth than in S332 Chemistry and S338 Chemistry. Heavy emphasis is on laboratory work. *(NCAA Core Course)*

S468 ADVANCED PHYSICS

Level: 4

One-half year

One-half unit

PREREQUISITE

- “B” or higher in S332 Chemistry or S338 Chemistry and S432 Physics or S369 Advanced Placement Physics; or department recommendation.

Basic physics topics are reviewed and explored in greater depth than in S432 Physics and S369 AP Physics. A heavy emphasis is placed on laboratory work. *(NCAA Core Course)*

S469 ADVANCED PLACEMENT PHYSICS

CALCULUS C

Level: 3,4

One year

One unit

PREREQUISITE

- Completion of S369 AP Physics 1 & 2 or S359 AP Physics 1; student also must have completed or be concurrently enrolled in calculus course; or with department recommendation.

Advanced Placement Physics C allows students to pursue calculus-based college-Level study while in high school. The course places emphasis upon the principal topics not covered in S432 or S369. This course also looks at the material covered in the students’ introductory-Level physics and uses Calculus to solve problems. The course emphasizes the following components: mechanics and electricity and magnetism. Students will study Newtonian Mechanics, Conservation Laws, including Energy and momentum, circular and angular motion, and a broad spectrum of Electricity and Magnetism topics. Students are encouraged to take both of the Advanced Placement Physics C exams in May, Mechanics and E and M. The class meets 1 period per day and cannot be taken pass/fail. *(NCAA Core Course)*

S478 APPLICATIONS IN ADVANCED CHEMISTRY

Level: 4

One-half year

One-half unit

PREREQUISITE

- “B” or higher in S332 Chemistry or S338 Accelerated Chemistry and “B” or higher in S432 Physics.

This lab-intensive course focuses on forensic chemistry, nanotechnology, and materials engineering with an emphasis on “real world” applications. Experiences from the course will include: problem solving within a crime scene, designing/testing prototypes of potential consumer products, fabrications of materials on the microscale, and investigating the ethical implications of developing technologies. This course can be taken independent of S458 Advanced Chemistry. *(NCAA Core Course)*

SOCIAL STUDIES



FRESHMAN

G143
World Geography
1 Unit

G146
World History
1 Unit

G349
AP Human Geography
1 Unit

SOPHOMORE

G349
AP Human Geography
1 Unit

G359
AP European History
1 Unit

G216
Multi-Cultural Perspective
1/2 Unit
or

G236
Women's Studies
1/2 Unit

G262
World Affairs
1/2 Unit

G339
AP World History
1 Unit

G365
Law and the Individual
1/2 Unit

JUNIOR

G369
AP U.S. History
1 Unit

G342
U.S. History
1 Unit
or

G336
American Studies
1 Unit

G343
Psychology 1
1/2 Unit

G353
Psychology 2
1/2 Unit

G316
Intro to Criminal Justice
1/2 Unit

G341
U.S. History
1 Unit

G331
American Studies
1 Unit

G379
AP Psychology
1 Unit

SENIOR

G359
AP European History
1 Unit

G459
AP Microeconomics
1/2 Unit

G469-G479
AP Macroecon. Am. Gov't
1/2 Unit Each

G442
Social Science Survey
1 Unit

G462/G472
Intro to Gov't/Econ.
1 Unit

G462/G472
Intro to Gov't/Econ.
1 Unit

G441
Social Science Survey
1 Unit

Solid lines are mainstream sequences; dashed lines are alternate selections usually made through recommendation.

SOCIAL STUDIES

The goals of the Social Studies Department in High School District 211 are:

1. To give students an understanding of our institutions and social environments so they can better work and cooperate in a global world;
2. To prepare students for their opportunities and responsibilities in society by fostering an appreciation of contemporary problems through discussion of current issues and historical perspective;
3. To foster attitudes of critical and impartial judgment, tolerance, and an open-mind through the development of sound discussion, presentation, and writing skills;
4. To develop skill in obtaining, analyzing, and organizing information;
5. To develop civically engaged citizens that can contribute to a democratic society.

A major in social studies is recommended for a student who is preparing for a career in law, government service, diplomatic service, social work, teaching, journalism, psychology, international trade, or business. Students may also choose a minor in social studies areas to develop perspective and improve credentials when attempting to enter any profession.

The State of Illinois requires two credits in the discipline of Social Studies. One of those credits must be in United States History, Advanced Placement United States History, or American Studies. The other must be in a course that includes a state mandated civics curriculum. These courses include Social Science Survey, Introduction to Government (paired with Introduction to Economics) and Advanced Placement American Government and Politics (paired with Advanced Placement Macroeconomics). However, most universities and colleges require three to four credits for admission.

A comprehensive service learning experience is included in all regular education Social Studies senior-level courses in order to fulfill the state of Illinois' civics mandate.

G143 WORLD GEOGRAPHY

Level: 1,2,3,4

One year

One unit

World Geography provides a global survey of world cultures, that presents the different ways in which human beings have interacted with their environment and other cultures. This course assists students in developing a spatial perspective of the world. Additionally, college-Level strategies and activities that strengthen both reading and writing skills are utilized to enhance student understanding of course content. Students will be assessed using a variety of techniques (i.e., objective assessments, writing samples, presentations, projects, etc.). The course provides SAT Test preparation and skill development that will help students prepare more effectively for the rigor of additional courses in Social Studies as well as their college and career opportunities. *(NCAA Core Course)*

G146 WORLD HISTORY

Level: 1,2,3,4

One year

One unit

World History is a survey of civilization, from its beginnings to the modern era, that explores the ways in which human beings have interacted with their environment, other cultures, and each other. This course guides students to expand their thoughts to a more global perspective. It helps them begin to understand their world and the many different cultures and groups that exist/existed over time within it. World History also helps students

develop strong reading and writing skills in non-fiction as we explore the political, economic, intellectual and social advances of humanity. Students will analyze academic writing which will improve their own writing, communication, and academic skills throughout the year. These skills will help students prepare more effectively for the rigor of future courses in Social Studies as well as their future college and career opportunities. *(NCAA Core Course)*

G216 MULTICULTURAL PERSPECTIVES

Level: 2,3,4

One-half year

One-half unit

Multicultural Perspectives is designed to increase cultural awareness and to prepare students to thrive in a diverse society. Through the examination of prejudice, self-esteem, cultural similarities and differences, students will be more prepared to function constructively in multicultural settings. *(NCAA Core Course)*

G236 WOMEN'S STUDIES

Level: 2,3,4

One-half year

One-half unit

Women Studies provides a historical perspective and current analysis of women in society through project based learning in a non-traditional classroom environment. Students pursuing all careers will benefit from this course by understanding the diverse perspective that gender plays in society. The course examines the role of women in American History, family, media, sports, labor force, education, politics & law, and health with a focus on establishing positive relationships and a collaborative work environment. The course emphasizes communication skills by focusing on discussion, critical thinking, and presentation of ideas. Various approaches to activism will be investigated and will provide perspectives and solutions to challenges facing women in today's society. *(NCAA Core Course)*

G262 WORLD AFFAIRS

Level: 2,3,4

One-half year

One-half unit

This current events course will promote a better understanding and investigate possible solutions to challenges facing the modern world. Topics such as health care, the environment, human rights, terrorism, global politics, and economic globalization are presented with multiple points of view and allow space for students to dissect information and draw conclusions on their own. *(NCAA Core Course)*

G300 UNITED STATES HISTORY

Level: 3,4

One year

One unit

(Palatine and Hoffman Estates High Schools Only)

PREREQUISITE

- Placement through staff conference recommendation.

In this course, students gain an understanding of our country's history. Federal, state, and local government interrelationships and their impact on daily life are examined. In addition, the role and responsibilities of U.S. citizenship are stressed.

G331 AMERICAN STUDIES HISTORY

Level: 3

One year

One unit

PREREQUISITE

- E201 English.

This course combines the study of United States History and American Literature and fulfills the requirements for the third-year United States History. This class is team taught by teachers from the Social Studies Department and English Department. Students should be enrolled concurrently in E331 and G331. *(NCAA Core Course)*

G336 AMERICAN STUDIES — HISTORY

Level: 3

One year

One unit

PREREQUISITE

- E202 English 2 or E208 English 2.

This course offers the student an opportunity to examine the question, "What is an American?" By studying America's history, literature, music, art, and architecture, the student can discover what makes him or her special as an American. Students will experience a multidisciplinary approach that explores the history and literature of the United States. Students will better understand the American identity through the study of American social, economic, and political changes and the literature that responded to or prompted such change. The course satisfies both the Junior year English and United States History graduation requirements. *(NCAA Core Course)*

G339 ADVANCED PLACEMENT WORLD HISTORY: MODERN

Level: 1,2,3,4

One year

One unit

AP World History: Modern is an introductory college-Level global history from the 1200 CE to the present, with balanced coverage offered to Asia, Africa, the Americas, and Europe. Broad themes of history are explored such as "humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation." *(College Board 2020)* Other outcomes of the class are AP skill development including argumentation and source analysis, discussion skills, and critical thinking in regards to historical and cultural issues. This course results in the AP examination at the end of the year, administered by the College Board. *(NCAA Core Course)*

G341 UNITED STATES HISTORY

Level: 3

One year

One unit

This survey course covers the history of our nation from the American Revolution to present day. Particular focus is on the political, economic and social development of our nation. Content ranges from foundational documents such as the Declaration of Independence to turning point speeches such as the Gettysburg Address as well as Ronald Reagan's Tear Down this Wall. Furthermore, particular attention is paid to skill development in the areas of reading and writing to better prepare them for both the SAT and post-secondary education. *(NCAA Core Course)*

G342 UNITED STATES HISTORY

Level: 3

One year

One unit

This survey course covers the history of our nation from the American Revolution to present day. Particular focus is placed on the political, economic and social development of our nation. Content ranges from foundational documents such as the Declaration of Independence to turning point speeches such as the Gettysburg Address as well as Ronald Reagan's Tear Down this Wall. Furthermore, students will learn to dissect history with reading and writing skills that will prepare them for both the SAT and post-secondary education. *(NCAA Core Course)*

G343 PSYCHOLOGY 1

Level: 3,4

One-half year

One-half unit

Psychology is the scientific study of human and animal behavior and mental processes. Not only will students learn how to scientifically process what they experience in their lives or hear in the media, but they will also have a deeper appreciation for how people think, feel, and act. Topics include the history of psychology, learning and memory, the brain, sensation and perception, personality, consciousness-sleep, dreams, hypnosis, human development, and methods of research. *(NCAA Core Course)*

G349 ADVANCED PLACEMENT HUMAN GEOGRAPHY

Level: 1,2,3,4

One year

One unit

Human Geography is designed to further enhance the understanding of issues and concerns that exist between human beings and their environment. The course provides a more interconnected, globalized framework that focuses on multiculturalism, ethnic-racial-religious conflict, the impact of population on resources, global economics, land-use and the politics of a global community. *(NCAA Core Course)*.

- *The course results in the AP Examination at the end of the year, administered by the College Board.*

G353 PSYCHOLOGY 2

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- *G343 Psychology 1 (A,B,C).*

This course is similar in design to G343 Psychology 1, but offers students additional topics to explore. What makes an individual engage in an ongoing pattern of behaviors, thoughts, and feelings that may be deviant, stressful, or dysfunctional? Psychology 2 explores this question by focusing on social

psychology (person perception, conformity, attraction, and obedience), stress, drugs, abnormal psychology, treatment and therapy. *(NCAA Core Course)*

G359 ADVANCED PLACEMENT EUROPEAN HISTORY

Level: 2,3,4

One year

One unit

PREREQUISITE

- *Department recommendation.*

In AP European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use skills including analyzing historical evidence; contextualization; comparison; causation; change and continuity over time; and argument development.

- *The course results in the AP Examination at the end of the year, administered by the College Board.*

G365 LAW AND THE INDIVIDUAL

Level: 2,3,4

One-half year

One-half unit

Students in this class learn about the rights and obligations of citizenship, the historical development of our system of law, our court structure and procedure, and substantive criminal law. A primary purpose of class exercises is for each student to develop the ability to think critically by recognizing the value conflicts present in the law. *(NCAA Core Course)*

G369 ADVANCED PLACEMENT UNITED STATES HISTORY

Level: 2,3

One year

One unit

PREREQUISITE

- *Previous AP Social Studies course of Honors English (or department recommendation).*

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. (*College Board 2017*). This is a survey course offered for students of above-average ability and interest. The breadth of the course stretches from Pre-Columbian societies on the North and South American Continents to modern day. Materials include items used and teaching style employed are at the college Level where emphasis is placed on primary source documents. The course results in the AP Examination at the end of the year, administered by the College Board. (*NCAA Core Course*)

G370 UNITED STATES HISTORY

Level: 3

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This is a general survey course in United States History. It combines an overview of colonial development, westward expansion, urban development, and foreign affairs. Attention also is given to building skills in geography.

G379 ADVANCED PLACEMENT PSYCHOLOGY

Level: 3,4

One year

One unit

PREREQUISITE

- *Previous successful AP experience, Accelerated English enrollment or department recommendation.*

Designed for students with above average ability and interest in Psychology, Advanced Placement Psychology will offer students an interpersonal and in-depth look at the scientific study of human behavior and mental processes. Through

this course, students will gain a deeper appreciation for how people think, feel, and act as they are exposed to empirically supported psychological facts and research findings. It also explores factors that make an individual engage in an ongoing pattern of behaviors, thoughts, and feelings that may be deviant, stressful, or dysfunctional. Topics include social psychology, consciousness (sleep, dreams, drugs), sensation & perception, the brain, motivation & emotion, learning & memory, human development, personality, stress, abnormal psychology, and treatment & therapy. The course results in the AP Examination at the end of the year, administered by the College Board. (*NCAA Core Course*)

G400 SOCIAL SCIENCE SURVEY

Level 3,4

One year

One unit

(Palatine and Hoffman Estates High Schools Only)

PREREQUISITE

- *Placement through staff conference recommendation.*

Students examine issues that affect their daily lives. Topics covered include family, peer groups, dating, marriage, prejudice, law, and personal decision-making. In addition, students gain an understanding of the responsibilities demanded by the school, the community, and state and federal governments.

G441 SOCIAL SCIENCE SURVEY

Level: 4

One year

One unit

Social Science Survey G441 is designed to assist students in their understanding of how humans establish the processes and procedures to produce the decisions that determine how limited resources are allocated to meet unlimited needs at all Levels of human existence (i.e., Local, State, National, and Global). The course is able to achieve this goal by using the social studies disciplines of anthropology, economics, civics, and sociology to explain how humans have emerged and developed systems necessary for continued growth and development. The G441 course provides a greater focus on skill development (i.e., reading, writing, and soft skills). The course is compliant with the *Illinois Civics Mandate* and includes a comprehensive Service Learning component. (*NCAA Core Course*)

G442 SOCIAL SCIENCE SURVEY

Level: 4

One year

One unit

Social Science Survey is designed to assist students in their understanding of how humans establish the processes and procedures to produce the decisions that determine how limited resources are allocated to meet unlimited needs at all Levels of human existence (i.e., Local, State, National, and Global). The course is able to achieve this goal by using the social studies disciplines of anthropology, economics, civics, and sociology to explain how humans have emerged and developed systems necessary for continued growth and development. The G442 course offers several simulations and interactive activities that require college and career-ready skills (i.e., reading, writing and soft skills). The course is compliant with the *Illinois Civics Mandate* and includes a comprehensive Service Learning component. *(NCAA Core Course)*

G459 ADVANCED PLACEMENT MICROECONOMICS

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- G469 AP Macroeconomics.

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. Students will be expected, but not required, to take the College Board Advanced Placement test in Microeconomics in the spring. This second semester course does not meet social studies graduation requirements, but is an elective option. *(NCAA Core Course)*

G462 INTRODUCTION TO ECONOMICS

Level: 4

One-half year

One-half unit

This course is one semester in length, and must be taken with G472 Introduction to Government or G479 AP American Government and Politics to meet the senior social studies graduation requirement. The goal of the course is to develop the knowledge and skills needed to understand both the American market economy and the larger global economic system. Topics will include basic concepts of our market economy, the role of the federal government, the business cycle, a comparative study of capitalism and socialism, international trade, and a number of contemporary economic issues ranging from poverty to the deficit. Throughout the course critical thinking skills will be emphasized. *(NCAA Core Course)*

G469 ADVANCED PLACEMENT MACROECONOMICS

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- G369 United States History (A,B) or department recommendation.

This course is one semester in length, offered to students of above-average ability. This course gives students a thorough understanding of the basic principles of a market economy. Students learn about national income and price determination and become familiar with economic performance measures, economic growth, and international economics. This course meets the graduation requirement and results in the AP Examination at the end of the year, administered by the College Board. *(NCAA Core Course)*

G470 SOCIAL SCIENCE SURVEY

Level: 4

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

This course includes units that examine the various social studies disciplines: anthropology, sociology, political science (civics), and economics. An understanding of our American culture and its political, economic, and social systems is developed. Other cultures and their value systems also are explored. Communication and critical thinking skills are emphasized.

G472 INTRODUCTION TO GOVERNMENT & CIVICS

Level: 4

One-half year

One-half unit

This course is one semester in length, and must be taken with G462 Economics or G469 AP Macroeconomics to meet the senior social studies graduation requirement. The goal of the course is to develop the knowledge, skills, and ideals needed to understand government. Emphasis is placed on political participation and individual responsibilities. The promise of America's future and interdependence of our global community heighten the demand for students to become aware and involved with the political process. Students are exposed to a variety of topics related to Civics to make them more aware of not only government but the role politics plays in contemporary society. Students are expected to be aware of events occurring around them that impact their world and the decisions being made on their behalf; all part of being active citizens in a global society. Students must pass the U.S. Constitution test in order to complete this course and to graduate. Students are exposed to a variety of topics related to Civics to make them more aware of not only government but the role politics play in contemporary society. Students are expected to be aware of events occurring around them that impact their world and the decisions being made on their behalf; all part of being active citizens in a global society. Students must pass the U.S. Constitution test in order to complete this course and to graduate. *(NCAA Core Course)*

G479 ADVANCED PLACEMENT AMERICAN GOVERNMENT AND POLITICS

Level: 4

One-half year

One-half unit

PREREQUISITE

- G369 United States History (A,B) or department recommendation.

This course is one semester in length, and is offered to students of above average ability. AP Government provides a nonpartisan introduction to key political concepts, institutions, policies and behaviors that characterize the political system and culture of the United States. Students will read and interpret data, make comparisons and applications and develop evidence-based arguments using foundational documents and Supreme Court decisions. Students take G469 Advanced Placement Macroeconomics are recommended to take this course as well. The course in the AP Examination at the end of the year, administered by the College Board. *(NCAA Core Course)*

WELLNESS



WELLNESS

Wellness is a multi-dimensional discipline that promotes lifelong learning in the cognitive (intellect/literacy) and psychomotor (physical) and affective (social/emotional) domains. Philosophically, we look to encourage students to engage in opportunities that promote self-improvement, bolster self-esteem, communicate effectively, and learn to cooperate with others by valuing differences among their peers.

Freshman Wellness is a co-educational structured program that aims to inform and inspire students to develop in the following areas:

- **Decision Making:** Students will comprehend how to make decisions and understand the impact of making healthy decisions over the course of their lifetime.
- **Social/Emotional Learning:** Students acquire and effectively apply the knowledge, attitudes, and skills necessary to understand and manage emotions, show empathy for others, establish and maintain positive relationships while learning to communicate effectively with others.
- **Fitness:** Students will know, apply, and perform the principles and components of health related fitness and

regularly participate in physical activity for the purpose of sustaining or improving individual Levels of health-related fitness.

- **Nutrition:** Students will comprehend the relationship between nutrition and human performance and how one can impact the quality of their lives through diet.

This course integrates the Wellness graduation requirements for the freshman year into one course. The curriculum integrates fitness, group dynamics, swimming, decision-making, nutrition and social/emotional learning in both classroom and active settings. Beginning with the Class of 2022, Freshman and Sophomore Wellness are a part of the grade point average and is worth 1/2 credit per semester.

Junior/Senior Level: This Level continues focus on fitness concepts with an emphasis on overall wellness. Students will develop, apply and practice concepts to improve fitness Levels. Students have a choice of the following year long courses that will enhance individual wellness: Strength and Conditioning, Adventure Education, Yoga, Stay Fit for Life, Dance, Advanced Basketball, Advanced Soccer, and Aquatics.

WELLNESS COURSE CODES

P111 P.E. Integrated	P251 Life Guard Training	P434 Advanced Strength & Conditioning Coed	P315 Jr./Sr. Traditional Girls
P112 P.E. Adaptive	P351 Life Guard Training	P435 Advanced Strength & Conditioning Female	P327 Yoga Coed
P144 Frosh Wellness	P323 Advanced Aquatic Training Male	P443 Specialty Weights 1	P427 Advanced Yoga Coed
P244 Sophomore Wellness	P324 Advanced Aquatic Training Coed	P444 Specialty Weights 2 (Coed)	P423 Jr./Sr. Extreme Fitness Male
P344 Physical Education	P325 Advanced Aquatic Training Female	P445 Specialty Weights 3	P373 Racquet & Net Games
P413 Advanced Soccer Male	P333 Strength & Conditioning Male	P354 Advanced Basketball	P374 Racquet & Net Games
P414 Advanced Soccer (Coed)	P334 Strength & Conditioning Coed	P361 Adventure Education	P375 Racquet & Net Games
P415 Advanced Soccer Female	P335 Strength & Conditioning Female	P362 Advanced Adventure Education	P364/P66402 Wellness for Life
P355 Dance 1	P345 Stay Fit For Life	P349 American Adventure	
P356 Dance 2	P348 Intro to Cardio Fitness	P313 Jr./Sr. Traditional Boys	
P456 Dance 3	P433 Advanced Strength & Conditioning Male	P314 Jr./Sr. Traditional Coed	
P218 Sophomore Leaders			
P318 Leadership (Training)			
P418 Leadership (Practicum)			

WORLD LANGUAGE



CHINESE LANGUAGE

L152
Chinese 1
Full Year/1 Unit

L252
Chinese 2
Full Year/1 Unit

L352
Chinese 3
Full Year/1 Unit

L549
AP Chinese Language & Culture
Full Year/1 Unit

FRENCH LANGUAGE

L162
French 1
Full Year/1 Unit

L262
French 2 for Freshmen
Full Year/1 Unit

L362
French 3
Full Year/1 Unit

L462
French 4
Full Year/1 Unit

L559
AP French Language & Culture
Full Year/1 Unit

GERMAN LANGUAGE

L163
German 1
Full Year/1 Unit

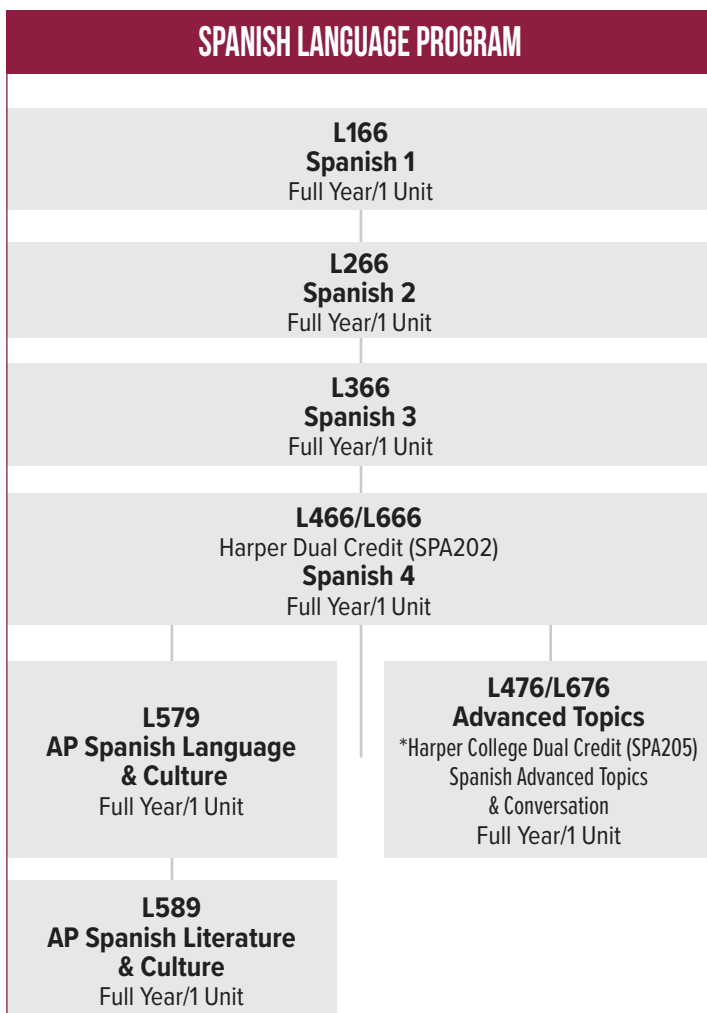
L263
German 2
Full Year/1 Unit

L363
German 3
Full Year/1 Unit

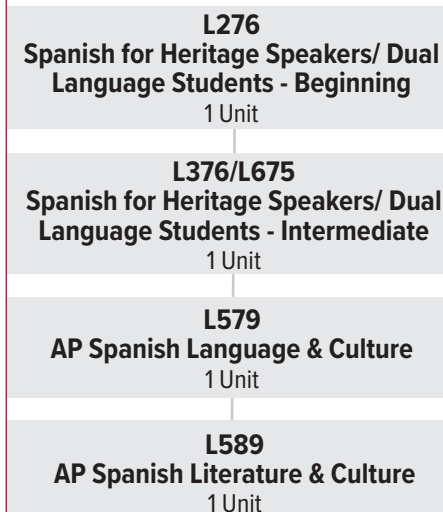
L569
AP German Language & Culture
Full Year/1 Unit

WORLD LANGUAGE

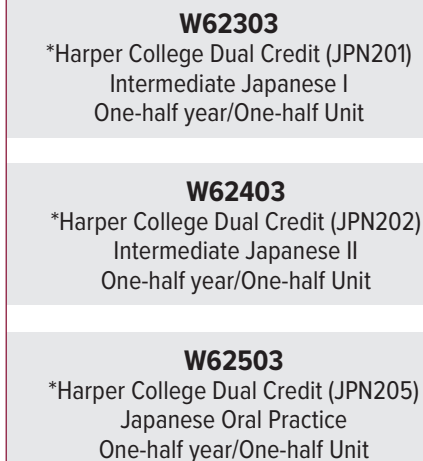
SPANISH LANGUAGE PROGRAM



SPANISH FOR HERITAGE LEARNERS & DUAL LANGUAGE PROGRAMS



JAPANESE LANGUAGE PROGRAM



ONLINE DUAL CREDIT COURSES FOR JAPANESE LANGUAGE PROGRAM

This course is taught by Harper College instructors through an online format during the school day. Students must meet the Harper College prerequisite placement criteria.

WORLD LANGUAGE

High School District 211 offers language programs in Chinese, French, German, and Spanish. The study of one language for three to four years is highly recommended for reaching an intermediate to advanced level of proficiency as well as satisfying many college requirements.

Many colleges require or recommend the study of a world language for entrance and/or graduation. Colleges may grant credit for successfully passing the Advanced Placement or college entrance exams, receiving the State of Seal Biliteracy, or meeting requirements in a Dual Credit course. In addition to preparing for college, the study of a world language has become important to career readiness.

Below are the pathways for our World Language programs. A passing average and teaching recommendation are necessary for advancement to the next level. Students who fail the semester are not eligible to continue in that language course for the second semester.

Incoming freshmen who studied the same world language in junior high for two full years are placed into a course based on their level proficiency, junior high teacher's recommendation, and review by the high school department chair. Students who have not studied the same language in junior high for two full years or want to change their language of study, will be placed into Level 1. Diagnostic exams can be scheduled for unique situations in which a student's proficiency may be higher than where they are placed. Contact the school's World Language Department Chair for any questions.

L166 SPANISH 1

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Incoming Freshmen-satisfactory entrance test score.*

This is a beginning Level course for those students with little to no experience learning Spanish. An emphasis is placed on developing communicative skills in the target language using authentic resources. Students will learn basic vocabulary and grammatical concepts in order to begin building proficiency in the language. A variety of cultural topics will be introduced throughout the year. *(NCAA Core Course)*

L176 SPANISH FOR NATIVE SPEAKERS 1

Level: 1,2,3,4

One year

One unit

(Palatine High School Only)

PREREQUISITE

- *Placement through student services and ESL department recommendation.*

This course is designed to meet the needs of those who already speak and comprehend Spanish. It provides students with the opportunity to develop skills in reading, writing and conventional grammar.

L266 SPANISH 2

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *L166 (A,B,C,D) Incoming Freshmen-two years of junior high Spanish and/or recommendation of the junior high school teacher.*

This course reinforces concepts learned in Level 1 and is designed to further develop a student's communicative skills in the target language. The use of authentic resources, thematic units, and an analysis of daily life and current events will build on a student's Level of proficiency. Cultural topics will be included throughout the year in order to broaden understanding of the Spanish speaking communities. *(NCAA Core Course)*

L276 SPANISH FOR HERITAGE SPEAKERS 2/DUAL LANGUAGE STUDENTS — BEGINNING

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Native speaker/Dual language student; recommendation of instructor.*

This course is designed to meet the needs of those who already speak and comprehend Spanish. It provides students with the opportunity to develop, or improve, skills in reading, writing, and conventional grammar. Topics in Hispanic life are covered as a vehicle for expanding vocabulary and developing basic rhetorical skills. *(NCAA Core Course)*

L366 SPANISH 3

Level: 2,3,4

One year

One unit

PREREQUISITE

- L266 Spanish 2 (A,B,C) or department approval.

This intermediate Level course will build on previously learned material as well as introduce more advanced grammatical concepts. Thematic units are designed to broaden vocabulary and cultural understanding while further strengthening a student's Level of proficiency. Target language use is a key component of this Level. *(NCAA Core Course)*

HARPER CREDIT COURSE

- L67502: SPA112, Heritage Spanish 1, 4 college credit hours.

L376/L67502 SPANISH FOR HERITAGE SPEAKERS 3/DUAL LANGUAGE STUDENTS — INTERMEDIATE

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- L276 Native speaker/Dual language student; recommendation of instructor.

This advanced course is designed to meet the needs of those who already speak and comprehend Spanish. It provides students with the opportunity to develop, or improve, skills in reading, writing, and conventional grammar. Topics in Hispanic life are covered as a vehicle for expanding vocabulary and developing basic rhetorical skills. *(NCAA Core Course)*

HARPER CREDIT COURSE

- L67502: SPA112, Heritage Spanish 4 college credit hours, IAI H1 900.

L466/66602 SPANISH 4

Level: 3,4

One year

One unit

PREREQUISITE

- L366 Spanish 3 (A,B,C) or department approval.

This upper Level course, taught exclusively in the target language, focuses heavily on the refinement of a student's composition and communicative skills as well as a more in-depth study of literature, history, geography, and culture. Attention is given to complexity, accuracy and fluency in order to achieve an intermediate high Level of proficiency. Preparation for the AP language course is incorporated throughout the year. *(NCAA Core Course)*

HARPER CREDIT COURSE

- L66602: SPA202, Intermediate Spanish, 4 college credit hours, IAI M1 901.

L476 ADVANCED TOPICS IN SPANISH

Level: 3,4

One year

One unit

PREREQUISITE

- L376, L466 (A,B,C) or department approval.

This is an upper Level course designed to provide conversational practice beyond the intermediate Level. The focus of this class is to strengthen advanced grammatical concepts, broaden vocabulary, and increase overall student proficiency in all communicative skills. The study of Spanish speaking cultures and current events is also included. Preparation for the AP language course is incorporated throughout the year. *(NCAA Core Course)*

HARPER CREDIT COURSE

- L67602: SPA205, Spanish Intensive Oral Practice, 3 college credit hours.

L579 ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE

Level: 4

One year

One unit

PREREQUISITE

- L466 Spanish or L476 (A,B,C) or department approval.

Advanced Placement Spanish Language and Culture is an advanced Level course that places an emphasis on a student's communicative competence in reading, listening, writing and speaking. This course is for highly motivated students willing to do college Level work and is designed to prepare students for the Advanced Placement Spanish Language and Culture Exam. Attention is given to complexity, accuracy, and fluency in order to achieve an advanced Level of proficiency. *(NCAA Core Course)*

L589 ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE

Level: 3,4

One year

One unit

PREREQUISITE

- L579 AP Spanish Language (A, B) or score of 3 or higher on the AP Spanish Language Exam or department recommendation.

Advanced Placement Spanish Literature and Culture is an advanced Level course conducted exclusively in the target language which focuses primarily on college-Level Spanish literature. The course introduces students to the formal study of literature using a variety of pieces from Spain, Latin America and U.S. Hispanic literature. Students will demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, presentational) becoming critical readers and analytical writers. Although not required, students are encouraged to take the Advanced Placement Spanish Literature and Culture exam at the conclusion of the course. *(NCAA Core Course)*

L162 FRENCH 1

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Incoming Freshmen-satisfactory entrance test score.

This is a beginning Level course for those students with little to no experience learning French. And emphasis is placed on developing communicative skills in the target language using authentic resources. Students will learn basic vocabulary and grammatical concepts in order to begin building proficiency in the language. A variety of cultural topics will be introduced throughout the year. (NCAA Core Course)

L262 FRENCH 2

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- L162 French 1 (A,B,C,D) Incoming Freshmen-two years of junior high French and/or recommendation of the junior high school teacher).

This course reinforces concepts learned in Level 1 and is designed to further develop a student's communicative skills in the target language. The use of authentic resources, thematic units, and an analysis of daily life and current events will build on a student's Level of proficiency. Cultural topics will be included throughout the year in order to broaden understanding of the French speaking communities. (NCAA Core Course)

L362 FRENCH 3

Level: 2,3,4

One year

One unit

PREREQUISITE

- L262 French 2 (A,B,C) or department approval.

This intermediate Level course will build on previously learned materials as well as introduce more advanced grammatical concepts. Thematic units are designed to broaden vocabulary and cultural understanding while further strengthening a student's Level of proficiency. Target language use is a key component of this Level. (NCAA Core Course)

L462/66202 FRENCH 4

Level: 3,4

One year

One unit

PREREQUISITE

- L362 French 3 (A,B,C) or department approval.

This upper Level course, taught exclusively in the target language, focuses heavily on the refinement of a student's composition and communicative skills as well as a more in-depth study of literature, history, geography and culture. Attention is given to complexity, accuracy, and fluency in order to achieve

an intermediate high Level of proficiency. Preparation for the AP language course is incorporated throughout the year. (NCAA Core Course)

HARPER CREDIT COURSE

- L66202: FRN202, Intermediate French, 4 college credit hours, IAI H1 900.

L559 ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE

Level: 4

One year

One unit

PREREQUISITE

- L462 French 4 (A,B,C) or department approval.

Advanced Placement French Language and Culture is an advanced Level course that places an emphasis on a student's communicative competence in reading, listening, writing and speaking. This course is for highly motivated students willing to do college Level work and is designed to prepare students for the Advanced Placement French Language and Culture Exam. Attention is given to complexity, accuracy and fluency in order to achieve an advanced Level of proficiency. (NCAA Core Course)

L163 GERMAN 1

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Incoming Freshmen-satisfactory entrance test score.

This is a beginning Level course for those students with little to no experience learning German. An emphasis is placed on developing communicative skills in the target language using authentic resources. Students will learn basic vocabulary and grammatical concepts in order to begin building proficiency in the language. A variety of cultural topics will be introduced throughout the year. (NCAA Core Course)

L263 GERMAN 2

Level: 2,3,4

One year

One unit

PREREQUISITE

- L163 German 1 (A,B,C,D) or department approval.

This course reinforces concepts learned in Level 1 and is designed to further develop a student's communicative skills in the target language. The use of authentic resources, thematic units, and an analysis of daily life and current events will build on a student's Level of proficiency. Cultural topics will be included throughout the year in order to broaden understanding of the German speaking communities. (NCAA Core Course)

L363 GERMAN 3

Level: 2,3,4

One year

One unit

PREREQUISITE

- L263 German 2 (A,B,C) or department approval.

This intermediate Level course will build on previously learned material as well as introduce more advanced grammatical concepts. Thematic units are designed to broaden vocabulary and cultural understanding while further strengthening a student's Level of proficiency. Target language use is a key component of this Level. *(NCAA Core Course)*

L569 ADVANCED PLACEMENT GERMAN LANGUAGE AND CULTURE

Level: 4

One year

One unit

PREREQUISITE

- L363 German 3 (A,B,C) or department approval.

Advanced Placement German Language and Culture is an advanced Level course that places an emphasis on a student's communicative competence in reading, listening, writing and speaking. This course is for highly motivated students willing to do college Level work and is designed to prepare students for the Advanced Placement German Language and Culture Exam. Attention is given to complexity, accuracy and fluency in order to achieve an advanced Level of proficiency. *(NCAA Core Course)*

L152 CHINESE 1

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- Incoming Freshmen-satisfactory entrance test score.

This is a beginning Level course for those students with little to no experience learning Chinese. An emphasis is placed on developing communicative skills in the target language using authentic resources. Students will learn basic vocabulary and grammatical concepts in order to begin building proficiency in the language. A variety of cultural topics will be introduced throughout the year. *(NCAA Core Course)*

L252 CHINESE 2

Level: 2,3,4

One year

One unit

PREREQUISITE

- L152 Chinese 1 (A,B,C,D) or department approval.

This course reinforces concepts learned in Level 1 and is designed to further develop a student's communicative skills in the target language. The use of authentic resources, thematic units, and an analysis of daily life and current events will build on a student's Level of proficiency. Cultural topics will be included throughout the year in order to broaden understanding of the Chinese speaking communities. *(NCAA Core Course)*

L352 CHINESE 3

Level: 2,3,4

One year

One unit

PREREQUISITE

- L252 Chinese 2 (A,B,C) or department approval.

This intermediate Level course will build on previously learned material as well as introduce more advanced grammatical concepts. Thematic units are designed to broaden vocabulary and cultural understanding while further strengthening a student's Level of proficiency. Target language use is a key component of this Level. *(NCAA Core Course)*

L549 ADVANCED PLACEMENT CHINESE LANGUAGE AND CULTURE

Level: 4

One year

One unit

PREREQUISITE

- L352 Chinese 3 (A,B,C) or department approval.

Advanced Placement Chinese Language and Culture is an advanced Level course that places an emphasis on a student's communicative competence in reading, listening, writing and speaking. This course use for highly motivated students willing to do college Level work and is designed to prepare students for the Advanced Placement Chinese Language and Culture Exam. Attention is given to complexity, accuracy and fluency in order to achieve an advanced Level of proficiency. *(NCAA Core Course)*

W62303 INTERMEDIATE JAPANESE I

Level: 1,2,3,4

One-half year

One-half unit

PREREQUISITE

- Harper College placement criteria.

Harper College online course with emphasis on more complex conversation and advanced grammatical components, continued reading and writing, and advanced composition. (*NCAA Core Course*)

HARPER CREDIT COURSE

- JPN201, *Intermediate Japanese I*, 4 college credit hours.

W62403 INTERMEDIATE JAPANESE II

Level: 1,2,3,4

One-half year

One-half unit

PREREQUISITE

- W62303 *Intermediate Japanese I* (A,B or C) or consent of instructor.

Harper College online course emphasizing accuracy and ease in more complex conversation, advanced study of reading and writing, and the study of more complex syntax and composition. (*NCAA Core Course*)

HARPER CREDIT COURSE

- JPN202, *Intermediate Japanese II*, 4 college credit hours.

W62503 JAPANESE ORAL PRACTICE

Level: 1,2,3,4

One-half year

One-half unit

PREREQUISITE

- W62403 *Intermediate Japanese II* (A,B or C) or consent of instructor.

Develops oral facility with the Japanese language using specially designed exercises in pronunciation, stress, and rhythm. Discusses individual readings of modern Japanese works in class. Assigns written and oral compositions based on readings. Helps students to bridge the gap between the intermediate and advanced Levels. Develops the ability to use the Japanese language with fluency and accuracy of expression that is achieved by extensive oral conversation in class. (*NCAA Core Course*)

HARPER CREDIT COURSE

- JPN205, *Japanese Intensive Oral Practice*, 3 college credit hours.

NON-DEPARTMENTAL COURSES



Non-Departmental courses are those that are offered for credit and do not belong to any particular academic department within the school. These courses are taught by a variety of qualified school faculty.

R110/R210/R310/R410/R450 FUNCTIONAL ACADEMIC AND LIFE SKILLS

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is designed for students who receive special education services for intellectual disabilities with accompanying physical and/or medical challenges. The curriculum emphasizes functional academics and life skills through participation in hands-on experiences. Students have the opportunity to develop communication skills through the use of assistive technology and experiences with general education peer mentors and in-building vocational opportunities. Basic objectives and skills will be met through appropriate activities designed for each student's Level of ability.

R151/R251/R351/R451 LIFE AND LEARNING STRATEGIES

Level: 1,2,3,4

One year

One-half unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is designed for students who receive special services for autism spectrum disorders and related disabilities. Students will develop strategies to increase effective skills of self-determination. The curriculum will emphasize individualized instruction in communication and socialization strategies related to daily problem solving. Content also will include units of study to support organization and study skills to increase overall academic performance.

R152/R252 LIFE STRATEGIES

Level: 1,2

One year

One-half unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This resource program is designed to teach students how to manage various aspects of their lives strategically. The main goal of the course is to ensure that students are able to independently analyze and successfully solve problems in social, personal, and academic situations. The curriculum includes activities and exercises in the areas of responsibility, values, problem-solving, motivation, commitment, and self-determination.

R153/R253/R353 LEARNING STRATEGIES

Level: 1,2,3

One year

One-half unit

PREREQUISITE

- *Placement through staff conference recommendation.*

This resource program is designed to teach students how to manage various aspects of their lives strategically. The main goal of the course is to ensure that students are able to independently analyze and successfully solve problems in social, personal, and academic situations. The curriculum includes activities and exercises in the areas of responsibility, values, problem-solving, motivation, commitment, and self-determination.

R166 LEADERSHIP AND EFFICACY 1

Level: 1

One year

One unit

PREREQUISITE

- *Student Services Department Recommendation.*

The course is meant to empower student leaders and provide them the opportunity to explore their personal history, cultivate their personal leadership philosophy, develop specific “soft skills,” and utilize academic supports within a structured environment. Students are expected to maintain high standards in regards to behavior and academics as well as be a positive representative of Hoffman Estates on campus as well as off campus when participating in school events. This is a course for self-discovery and empowerment.

R167 STRATEGIES FOR ACADEMIC SUCCESS

Level: 1,2,3,4

One year

One unit

PREREQUISITE

- *Student Services Department Recommendation.*

This course assists students in developing the academic habits and mindsets needed for success during class and after school.

R226 LEADERSHIP FOR LIFE 1

Level: 1,2,3,4

One-half year

One-half unit

This one semester elective course offers practical training in communication, group dynamics, planning and goal setting, conflict management, and self-evaluation. It is taught with an interdisciplinary approach offering the opportunity to improve qualities of self-respect, self-management, and goal-setting that cut across issues of personal growth and management.

R236 LEADERSHIP FOR LIFE 2

Level: 1,2,3,4

One-half year

One-half unit

PREREQUISITE

- *R226 Leadership for Life 1.*

This one semester course puts into practice the skills taught in Leadership for Life including leading with a purpose, goal setting, conflict resolution and team challenges.

R313/R61302 HEALTH CAREER EXPLORATION AND MEDICAL TERMINOLOGY

Level: 3,4

One year

One unit

PREREQUISITE

- *Successful completion of Biology and grade Level reading scores.*

This course familiarizes students to the health care delivery

system including an introduction to the organization, structure, function, and issues related to the health care environment. Emphasis is placed on the importance of effective communication skills for health care professionals, team building, professionalism, and diversity in the health care center. This class also emphasizes the origin and the basic structure of medical words, including prefixes, suffixes, word roots, combining forms, and plurals. Emphasis is on rendering a professional vocabulary required for work in the health care field.

HARPER CREDIT COURSE

- *R61302: HSC112, Medical Terminology, 2 college credit hours.*

R314/R61401/R61402 CERTIFIED NURSING ASSISTANT

Level: 4

One year

One unit

PREREQUISITE 1st semester

- *R31401/R61402 (CNA111): Successful completion of R313/R613 Health Career Exploration and Medical Terminology; and SAT EBRW 480+ or ACT Reading score of 20+ or 3+ on Harper Essay administered prior to course begins at school. Recommended concurrent enrollment in S437 Anatomy and Physiology.*

Provides theory and training in 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. Includes simulated practice and opportunity for clinical application. This course is approved by the Illinois Department of Public Health, Office of Health Regulations. Successful completion is required for application for the Nurse Aide Competency Exam. **NOTE:** Must have the ability to lift, move and transfer patients. Students are required to have eligibility to work in the United States, pass a criminal background check and meet health requirements for the clinical portion of the class second semester (R31402/ R61402). Special fee is required for healthcare equipment and CNA state examination.

PREREQUISITE 2nd semester

- *R61402 (CNA112): Completion of R61401 with “C” or higher. NOTE: Students are required to have eligibility to work in the United States, pass a criminal background check and meet all health requirements to participate in clinical experience.*

Provides lab and clinical training in the basic skills test 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. Includes simulated practice and opportunity for clinical application. This course requires a clinical off-site experience at local health care facilities on designated weekends. Students must arrange for their own transportation for weekend clinical's. This course is approved by the Illinois Department of Public Health, Office of Health Regulations. Successful completion is required for application for the Nurse Aide Competency Exam.

R332, R432 RELATED OCCUPATIONS 1 & 2

Level: 3,4

One or two years

Two units per year

(Students also must enroll in R362, R372, or R382 Work Experience).

Related Occupations is a general cooperative work program with paid work experience in any career or technology related field and the related classroom instruction. Appropriate training plans are developed and task lists are established based on prior experience and skill development. Students are supervised on-site by a qualified instructor/coordinator. It is a program that extends the realm of the classroom beyond the school setting into the world of careers. It will provide an opportunity to become acquainted with the values important to become successful in the world of work. It provides on-the-job experience in semi-skilled and service occupations in career relate and technology fields.

R325 PRODUCT DESIGN AND DEVELOPMENT

Level: 3,4

One year

One unit

PREREQUISITE

- *Prior completion of 2 core classes from any Interactive and Informative Technology Pathway: Architecture, Animation & Engineering; Electronics & Computer Repair; Software Design; Technology Communications; Technology Engineering; or Visual Design.*

This project-based course is designed to have students work collaboratively and effectively within a team. Students with various disciplines come together to engage in large scale projects. Design thinking and project management techniques will be employed as students are faced with industry challenges connected to real world problems.

R359 ADVANCED PLACEMENT SEMINAR

Level: 2,3,4

One year

One unit

PREREQUISITE

- *Freshmen may enroll in the course only through acceptance to the Gifted Program.*

Students will investigate real-world topics of their choosing from multiple perspectives, which often are different or competing. They will learn to collect and analyze information with accuracy and precision, develop arguments based on facts and effectively communicate them. Students will examine materials like news stories, research studies, and literary works to craft arguments to support a point of view and communicate it effectively through the use of various media. Assessment includes a combination of individual and team projects and presentations as well as through a written exam. *(NCAA Core Course)*

R459 ADVANCED PLACEMENT RESEARCH

Level: 3,4

One year

One unit

PREREQUISITE

- *R359 AP Seminar. Sophomores may enroll in the course if accepted into the Gifted Program and successfully completed AP Seminar as a freshman.*

AP Research allows students to deeply explore an academic an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4,000 - 5,000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. *(NCAA Course)*

R466 LEADERSHIP AND EFFICACY 4

Level: 4

One year

One unit

PREREQUISITE

- *Student Services Department recommendation.*

The course is meant to empower student leaders and provide them the opportunity to explore their personal history, cultivate their personal leadership philosophy, develop specific “soft skills”, and utilize academic supports within a structured environment. Students are expected to maintain high standards in regards to behavior and academics as well as be a positive representative of their school on campus as well as when participating in school events. This is a course for self-discovery and empowerment.

R510/R520/R530/R540 ADULT TRANSITION PROGRAM

PREREQUISITE

- *Placement through the IEP development process.*

(Students may also enroll in R500 work experience).

This program is designed for students age 18-21 who have mild to moderate intellectual disabilities, have met graduation requirements and require specific instruction and community-based experiences to facility the transition into independent adult life.

R560/R570/R580/R590 NEW ENDEAVORS ADULT TRANSITION PROGRAM

PREREQUISITE

- *Placement through the IEP development process.*

(Students may also enroll in R550 New Endeavors work experience).

This program is designed for students age 18-21 who have characteristics and/or behaviors along the autism spectrum, have met graduation requirements and require specific instruction and community-based experiences to facilitate the transition into independent adult life.

COOPERATIVE EDUCATION



Cooperative education programs are planned to provide students on-the-job training not available at the school. With the assistance of their teacher-coordinator and employer, students plan many of their own learning experiences. Serious thought needs to be given to the type of occupation a student wants to explore so that appropriate training stations may be secured.

Students must work a minimum of 15 hours per week in approved training and attend a related class in school. Training arrangements are agreed upon by students, their parents, the teacher-coordinator, and the employer. Students are paid for work they perform on the job.

In each High School District 211 cooperative education program, emphasis is placed on a different occupational cluster. Detailed information on programs offered at each school is available through your counselor.

T120 CAREER ORIENTATION

Level: 1

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

Students will use the 16 career clusters to explore possible vocational choices in relationship to their own personal interests, aptitudes and abilities. Additional units of study include job market trends and the skills needed to obtain employment.

T220 CAREER EXPLORATION

Level: 2

One year

One unit

PREREQUISITE

- Placement through staff conference recommendation.

This course meets the D211 Consumer Education graduation requirement, and includes units of study in financial literacy (budgeting, savings, credit, insurance), consumer rights, comparison shopping, and finding housing and transportation.

T320 CAREER PREPARATION

Level: 3,4

One year

One unit

(Students may also be enrolled in T560, T570 or T580 Work Experience for an additional unit of credit).

PREREQUISITE

- Placement through staff conference recommendation.

The general studies vocational program offers sequential instruction and work experiences that prepare students to secure and maintain employment. Students will use the 16 career clusters to explore possible vocational choices in relationship to their own personal interests, aptitudes and abilities. This course meets the D211 Consumer Education graduation requirement, and includes topics in financial literacy (paychecks, taxes, credit, budgeting, insurance). Job placement assistance is provided as needed.

T420 CAREER PREPARATION 2

Level: 4

One year

One unit

(Students may also be enrolled in T560, T570 or T580 Work Experience for an additional unit of credit).

PREREQUISITE

- Placement through staff conference recommendation.

The general studies vocational program offers sequential instruction and work experiences that prepare students to secure and maintain employment. Students will use the 16 career clusters to explore possible vocational choices in relationship to their own personal interests, aptitudes and abilities. Additional units of study include topics in financial literacy (paychecks, taxes, credit, budgeting, insurance), and understanding the characteristics of a good worker. Individual vocational topics may be assigned based on the student's interest, aptitude, and need. Job placement assistance is provided as needed.

T190, T290, T390, T490 COMMUNITY BASED CONSUMER MATHEMATICS

Level: 1,2,3,4

One to four years

Two units per year

(Students also may be enrolled in Work Experience T460, T470, or T480).

PREREQUISITE

- *Placement through staff conference recommendation.*

This course is designed for special needs students. The main goal is to teach students with developmental disabilities the skills necessary to begin preparation for transition to community living. The use of basic math, reading, and communication skills is emphasized in the school and the community. This course may be taken along with the work experience program which gives students specific vocational training on the job. When appropriate, a pre-vocational coordinator will assist the student in finding a job in the school or community. These courses meet the D211 Consumer Education graduation requirements.

T250, T350, T450 COOPERATIVE WORK TRAINING

Level: 2,3,4

One to three years

Two units per year

(Students also may enroll in T260, T270, or T280 Work Experience).

PREREQUISITE

- *Placement through staff conference recommendation.*

Cooperative Work Training is for students 16 years of age or older who are interested in developing skills that will prepare them to secure and maintain employment. Students will use the 16 career clusters to explore possible vocational choices in relationship to their own personal interests, aptitudes and abilities. Additional classroom units include topics in financial literacy (paychecks, taxes, credit, budgeting, insurance), and understanding the characteristics of a good worker. Individual vocational topics may be assigned based on the student's interest, aptitude, and need. Job placement assistance is provided as needed. The T350 Level of Cooperative Work Training meets the D211 Consumer Education graduation requirement.

T355, T455 INDUSTRIAL COOPERATIVE EDUCATION 1 & 2

Level: 3,4

One to two years

Two units per year

(Students also may enroll in T365, T372, or T374 Work Experience).

PREREQUISITE

- *Evidence of work with your counselor on career planning for the occupational area to be studied or completion of high school course work related to your occupational goal and potential training station. Also department approval; T355 is a PREREQUISITE for T455. Students must be 16 years of age or older.*

Industrial Cooperative Education 1 & 2 are designed to give students on-the-job training in industrial-related occupations. Students may enroll for one or two years. They may work at a job to improve existing skills or they may be trained on a job for which they have no previous experience. Acceptable occupations require considerable training and include auto mechanics, commercial art, CAD drafting, graphic arts, tool and die, auto body repair, machine operation, welding, construction work, and other industrial-related occupations. Students meet daily with the teacher coordinator to discuss safety on the job, management of time, human relations, and information related to each student's job. Training experiences are planned by the employer, teacher, and student based on the student's occupational plans. Students must provide their own transportation to and from the community training station.

OFF-CAMPUS AND ONLINE DUAL CREDIT COURSES



There are a variety of dual-credit off-campus courses that allow students to further explore and prepare for their career interests. Students must complete an application process for admission into these courses. To be eligible for enrollment into these courses the following is taken into consideration: Student's grade point average, attendance, behavior and course prerequisite requirements are reviewed. Dual credit courses provide transcript credit at both the high school and post-secondary institution. There are times students will attend class at the college/university program when D211 is not in session (example – Institute Day). College and Career Counselors at each school have specific program requirements and can answer any questions regarding off-campus programming.

Drop/Withdrawal and Financial Aid

Each college/university has a Drop Period when a student can be removed from the dual credit course without any record appearing on this or her transcript. There is also a Withdraw Period in which a student may receive a W on their college transcript. Following these deadlines, a student who withdraws from the dual credit course may earn an F on their college transcript. Receiving a grade lower than a C or a W on a college transcript may impact student's ability to receive financial aid in college. All dual credit courses count towards financial aid standards of academic progress (SAP) whether the student receives financial aid. School counselors have the drop and withdrawal dates for each school year and students are responsible for knowing these dates and submitting the necessary paperwork to change their status in dual-credit courses.

Transportation

Students may have to provide their own transportation to courses offered off-campus depending on the course (see below for specific transportation requirements).

V62201/V62202 COSMETOLOGY

Level: 4

One year

One unit per semester

Cosmetology classes are held at the Technology Center of DuPage. This program includes the first two semesters of a sequence of courses that begin to address Illinois State certification requirements, which concludes with an Illinois State certification examination. Classes run four hours daily and combine classroom and practical experience. This course also may require attendance on some Saturdays and other days of non-attendance. Students must provide their own transportation to the school. Career Counselors at each school have more information regarding specific program requirements, scheduling procedures, and details of additional post-graduate work that is required to achieve State certification. **Participation fees and student kits are the responsibility of the student/family, which is approximately \$600.** The fees are based on previous school year and are subject to change by TCD.

COLLEGE OF DUPAGE

- 8 different courses - 23 college credits hours.

W63503/W63603 AMERICAN SIGN LANGUAGE

Level: 4

One year

One unit

PREREQUISITE

- Must have a "B" grade average or higher in 3 years of high school English.

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. Presents and integrates additional information about Deaf culture into language usage. (The course credit does not apply toward the four-year English requirement for graduation).

HARPER CREDIT COURSE

- SGN101 and SGN102, American Sign Language 1 & 2, 4 college credit hours.

LAW ENFORCEMENT AND JUSTICE ADMINISTRATION

W61603 INTRODUCTION TO CRIMINAL JUSTICE

Level: 4

One-half year

One-half unit

Studies the history, role, development, and constitutional aspects of law enforcement and public safety. Review of agencies and functions involved in processes of administration of criminal justice.

Bus transportation from school to Harper College is provided. Students have the option to provide their own transportation to Harper. There is no student parking fee at Harper College.

HARPER CREDIT COURSE

- LEJ101, Introduction to Criminal Justice, 3 credit hours, IAI CRJ 901.

W61703 CORRECTIONS

Level: 4

One-half year

One-half unit

PREREQUISITE

- Completion of W61603 Introduction to Criminal Justice with a "C" or higher.

Provides the student with an integrated knowledge about the system through which the criminal offender is processed. Emphasis will be placed upon the philosophical bases of punishment and treatment techniques in institutional and community-based programs plus parole programs.

Bus transportation from school to Harper College is provided. Students have the option to provide their own transportation to Harper. There is no student parking fee at Harper College.

HARPER CREDIT COURSE

- LEJ104, Corrections, 3 college credit hours, IAI CRJ 911.

W62603 FORENSICS

Level: 4

One-half year

One-half unit

PREREQUISITE

- Completion of W61603 Introduction to Criminal Justice with a "C" or higher.

Introduces student to the use of scientific disciplines in crime investigation. Identifies the variety of sources of evidence and the means by which comparative analysis can be made. Introduces student to probability theory. Develops skills in crime scene technology, fingerprinting, photography and recording.

Bus transportation from school to Harper College is provided. Students have the option to provide their own transportation to Harper. There is no student parking fee at Harper College.

HARPER CREDIT COURSE

- LEJ116, Forensics, 3 college credit hours.

FIRE SCIENCE

W66303 INTRODUCTION TO FIRE SCIENCE

Level: 4

One-half year

One-half credit

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.

Bus transportation from school to Harper College is provided. Students have the option to provide their own transportation to Harper. There is no student parking fee at Harper College.

HARPER CREDIT COURSE

- FIS100, Fundamentals of Fire Protection, 3 college credit hours.

W66403 FIRE BEHAVIOR AND COMBUSTION

Level: 4

One-half year

One-half credit

PREREQUISITE

- Completion of W66303 Introduction to Fire Science with a "C" or higher.

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.

Bus transportation from school to Harper College is provided. Students have the option to provide their own transportation to Harper. There is no student parking fee at Harper College.

HARPER CREDIT COURSE

- FIS121, Fire Behavior & Combustion, 3 college credit hours.

HEATING, VENTILATION, A/C REFRIGERATION

W68403 HEATING PRINCIPLES

Level: 4

One-half year

One-half unit

This class is taught in an open laboratory forum. Students must accumulate five laboratory hours each week.

PREREQUISITE

- Prior or concurrent enrollment in ELT110 (Introductory Electronics) with a grade of "C" or better.

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.

Student must provide their own transportation to Harper College for this course. This course typically meets in late afternoon/early evening – as early as 3:00 p.m. Check with your college and career counselor for specific times.

HARPER CREDIT COURSE

- HVA103, Heating Principles, 3 college credit hours.

W68303 REFRIGERATION FUNDAMENTALS

Level: 4

One-half year

One-half unit

This class is taught in an open laboratory forum. Students must accumulate five laboratory hours each week.

PREREQUISITE

- Completion of W68403 (HVA103) with a "C" or higher.

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.

Student must provide their own transportation to Harper College for this course. This course typically meets in late afternoon/early evening – as early as 3:00 p.m. Check with your college and career counselor for specific times.

HARPER CREDIT COURSE

- HVA101, Refrigeration Fundamentals, 3 college credit hours.

W68503 HEATING AND COOLING CONTROLS

Level: 4

One-half year

One-half unit

PREREQUISITE

- ELT110 (Introductory Electronics) with a grade of "C" or higher.

Introduces electrical principals and concepts, electrical safety, electrical controls and electrical wiring diagrams utilized in residential and light commercial HVAC systems. Cover electrical symbols, Ohms' Law, series and parallel circuits, power distribution, magnetism, transformers, switches, relays, contractors, AC motors, motor starters and capacitors. Emphasizes the practical application for electrical system diagnosing; measuring volts, ohms and amps; troubleshooting, testing and adjusting electrical controls; interpreting wiring schematics and wiring electrical circuits.

Student must provide their own transportation to Harper College for this course. This course typically meets in late afternoon/early evening – as early as 3:00 p.m. Check with your college and career counselor for specific times.

HARPER CREDIT COURSE

- HVA105, Heating and Cooling Controls, 3 college credit hours.

W68603 REFRIGERATION SYSTEMS

Level: 4

One-half year

One-half unit

This class is taught in an open laboratory forum. Students must accumulate five laboratory hours each week.

PREREQUISITE

- Completion of W68303 (HVA101) with a "C" or higher.

Builds on concepts learned in W68303 (HVA 101). Introduces specialized system controls and accessories found in commercial refrigeration systems. Covers pressure and temperature controls, water cooled condensers, commercial defrosting, and piping practices. Emphasizes practical application to develop diagnostic and troubleshooting techniques, interpret wiring diagrams, service, and repair; including working with zero ODP refrigerants used in commercial systems application.

Student must provide their own transportation to Harper College for this course. This course typically meets in late afternoon/early evening – as early as 3:00 p.m. Check with your college and career counselor for specific times.

HARPER CREDIT COURSE

- HVA102, Refrigeration Systems, 3 college credit hours.

NETWORKING

W65403 INTRO TO COMPUTER NETWORKING

Level: 3,4

One-half year

One-half unit

PREREQUISITE

- T67203 (NET105) with a grade of "C" or higher.

Provides students with hands-on experience implementing and maintaining computer networks. Includes networking standards, architecture, operations, security and troubleshooting using current network operating systems.

Student must provide their own transportation to this course and/or this course may be available as an asynchronous online course.

HARPER CREDIT COURSE

- NET121, Intro to Networking, 3 college credit hours.

W65503 INTERNET PROTOCOLS

Level: 4

One-half year

One-half credit

PREREQUISITE

- T67203 (NET105) with a grade of "C" or higher.

Provides students with a detailed examination of Internet addressing and protocols. Includes IP addressing, routing, IP, ICMP, ARP, TCP, UDP, DHCP, DNS, HTTP, FTP, and SMTP. Uses protocol analyzers to monitor and examine network traffic.

Student must provide their own transportation to this course and/or this course may be available as an asynchronous online course.

HARPER CREDIT COURSE

- NET122, Internet Protocols, 3 college credit hours.

HEALTH SCIENCE

W61303 INTRO TO HEALTH CARE TODAY

Level: 4

One-half year

One-half unit

Familiarizes student to the health care delivery system including an introduction to the organization, structure, function and issues related to the health care environment. Emphasis placed on the importance of effective communication skills for health care professionals, team building, professionalism and diversity in the health care center.

Bus transportation from school to Harper College is provided. Students have the option to provide their own transportation to Harper. There is no student parking fee at Harper College.

HARPER CREDIT COURSE

- HSC105, Intro to Health Care Today, 2 college credit hours.

W61503 HEALTH OCCUPATIONS OBSERVATIONS

Level: 4

One-half year

One-half unit

PREREQUISITE

- Concurrent enrollment in W61303 with instructor approval or successful completion of WW61303 with a grade of "C" or higher, or one semester of high school anatomy with lab with a grade of "C" or better.

Provides students an opportunity to observe selected occupations within a health care setting. The student will attend 13 two-hour sessions under the supervision of the instructor and departmental specific mentors.

Student must provide their own transportation to Harper College for this course. Student may meet at alternative health care facilities throughout the semester.

HARPER CREDIT COURSE

- HSC106, Health Occupations Career Observation, 1.5 college credit hours.

CAREER CLUSTERS



ABOUT COLLEGE MAJORS & CAREER CLUSTERS

The current employment outlook for the United States indicates that most jobs will require postsecondary education and training beyond high school. Whether a student is preparing to attend a four-year university, a two-year college or the work force, the exploration of possible careers and college majors is vital. Though many students may continue to change their minds about their career or college major selections, it is valuable for students to explore multiple areas while still in high school to assist in decisions about where their skills and passions exist.

The development of career pathways around the 16 career clusters will facilitate career and college major conversations. The 16 career clusters include:

- Agriculture, Food and Natural Resources
- Architecture and Construction
- Health Sciences
- Hospitality and Tourism
- Science, Technology, Engineering and Mathematics (STEM)
- Manufacturing
- Education and Training
- Human Services
- Government and Public Administration
- Interactive and Information Technology
- Transportation, Distribution and Logistics
- Arts and Communication
- Business Management and Administration
- Finance and Accounting
- Law, Public Safety, Corrections and Security
- Marketing

The website d211careercluster.org allows students and parents to begin to explore the career clusters and specific District 211 information. Students are encouraged to increase their exploration by logging into their Xello account. Xello is software available to students to explore college and career options specifically tailored to the students' interests and skills. Xello offers a Matchmaker self-assessment which give students initial clusters to investigate. Students are encouraged to take the assessment multiple times throughout their high school careers as interests may change over time.

Pathways within the 16 clusters represent a specific series of courses to be taken during high school. Students are encouraged to explore different clusters and pathways continually seeking connections to areas of passion and skill.

COLLEGE MAJORS & CAREER CLUSTERS



Township High School District 211

www.d211careercluster.org

EXAMPLE



College Majors & Career Explorations List



AGRICULTURE, FOOD & NATURAL RESOURCES

Overview
My Plan

Majors & Careers

Coursework

Connections

PATHWAYS

Agribusiness
Management

Biological Engineering

Engineering

Environmental Studies

Food Science &
Production

Agriculture, Food and Natural Resources prepares learners for diverse careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical and educational services.



Next Steps:

1. Explore the tabs above to see more details about this College Major and Career Cluster
2. Find District 211 courses and after school connections you are interested in exploring.
3. Sign into your [District 211 Career Cruising](#) account to take self-assessments and find out more about colleges/careers.
 - In Career Cruising, explore the "Careers" tab to find additional information on jobs, degrees and majors.
 - In Career Cruising, explore the "Assessment" tab to take a self-assessment to see where your interests may lead.
4. If you are a current high school student, go to your Student Services Department and make an appointment to see your counselor to discuss future options.
5. Go to the "My Plan" tab above and see what course openings you have to explore this college major and career in addition to your courses required for graduation.
6. Visit your counselor to discuss how and when course selection occurs each year of high school.

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TOWNSHIP HIGH SCHOOL DISTRICT 211

Extraordinary Opportunities. Innovative Teaching. Exceptional Learning.

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