

# 2023-24 Course Description Catalog

EVERGREEN PARK COMMUNITY HIGH SCHOOL  
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Evergreen Park, IL 60805  
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## MISSION STATEMENT

Our mission is to create a diverse learning environment that fosters lifelong learning, maximizes educational opportunities for all students, and lays the foundation for respectful, responsible citizenship.

# STUDENT GUIDE TO COURSES FOREWORD

Message to Students and Parents/Guardians:

This Course Description Catalog is your "guide" for helping the students of Evergreen Park Community High School to intelligently plan a program of studies that will meet their educational/career goals. Students, parents, and counselors will work together to choose courses that meet the student's individual needs and abilities. Early planning becomes increasingly more important as greater demands are placed on high school graduates. Careful preparation is essential for students planning to attend college, vocational school, armed forces, as well as for students who choose to enter the world of work following high school. Both the student and parents/guardians will be required to sign the course selection sheet prior to registration. Student initiated schedule changes will be determined at the discretion of the counseling staff.

Please join us in our commitment to educational excellence. The opportunities are here!

Mr. Matthew Dugan  
Principal

Mr. Thomas O'Malley  
Superintendent

## EPCHS VISION STATEMENT

EPCHS graduates:

Embrace lifelong learning

Value physical and emotional health

Give back to their community

Achieve their full potential

Inspire those around them.

## EPCHS STRATEGIC OBJECTIVES

### 1. **Student Achievement**

Improve student achievement for all learners *as evidenced by* progress monitoring, local assessments, standardized test scores, graduation rate, and post-secondary achievement.

### 2. **Finance**

Demonstrate fiscal responsibility *as evidenced by* a balanced budget, adequate fund balances, and financial recognition from the Illinois State Board of Education.

### 3. **Parental Involvement**

Increase parental involvement *as evidenced by* enhanced interaction between school and home and more active parent participation in educational and co-curricular activities.

### 4. **Communication/Perception**

Improve the perception of EPCHS in the community *as evidenced by* positive public relations, increased media exposure, and innovative community education.

### 5. **Facilities/Technology**

Ensure that the physical and technological systems are safe, efficient, and conducive to learning *as evidenced by* planned facility renovations, appropriate technological upgrades, and environmental awareness.

## **INTRODUCTION**

The Board of Education is committed to educating each student to his/her fullest potential. Learning, interpreted as an active process of positive change, is the purpose of the entire school. The school seeks to develop students' minds and hands and to prepare students for lifelong learning, inquiry, and service to family, community, and mankind.

The Board of Education and administration expects students, in consultation with their parents/guardians and counselors, to select courses of study that will qualify them upon graduation from high school to enter an occupation and/or an institution of higher learning. The Board of Education and administration insists that students set goals to be achieved through their high school studies in order to have post high school career/study options available.

All courses in the curriculum are offered to all students without regard to race, color, national origins, sex, or disability.

## GRADUATION REQUIREMENTS - CLASS OF 2024 AND BEYOND

	REGULAR	STEAM*
English <sup>1+</sup>	4 credits	4 credits
Mathematics*	3 credits	4 credits
Science**	3 credits	3 credits
Social Studies Human Geography <sup>2</sup> and U.S. History (2 semesters concurrent)	2 credits	2 credits
Physical Education/Health	4 credits (Pass health)	4 credits (Pass health)
Financial Literacy in the 21 <sup>st</sup> Century <sup>3</sup> and Civics in the 21 <sup>st</sup> Century <sup>4</sup>	1 credit (Pass Constitution exam)	1 credit (Pass Constitution exam)
Electives (Required)	4 credits	6 credits <sup>6</sup>
Fine Arts		1 credit
Computer Concepts & Literacy♦	1 credit	1 credit
TOTAL Credits Needed for Graduation	22 credits	26 credits
To earn a STEAM Diploma a student must complete the courses in the above areas and have an overall grade point average of 3.0 and successful completion of the STEAM Competition during their 9th-11th grade science classes.		

<sup>1</sup> One intensive writing term requirement met in the second term of English 3/Composition.

<sup>2</sup> Second intensive writing requirement met in Human Geography.

<sup>3</sup> Consumer Education requirement is fulfilled in Financial Literacy in the 21<sup>st</sup> Century.

<sup>4</sup> All students must pass tests on the Constitution of the United States and the Constitution of the State of Illinois, plus complete the citizenship component of the United States Government course by performing community service and attending government meetings. The contents of this course also meet PA99-0434 course content requirements including current and controversial issues discussions, service learning, and democratic simulations.

+See English flowchart on page 24

\*See math flowchart on page 33

\*\*See science flowchart on page 49

♦Beginning with the class of 2026, students are required to take Computer Concepts & Literacy as part of their state graduation requirements.

★Students in the class of 2024 and class of 2025 will have adjusted STEAM Competition completion goals, due to the cancellation of the STEAM Competition in 2020, 2021, and 2022. Students will be given an exemption for those years in the STEAM Diploma requirement.

As of 2019-20, as noted in the pages that follow in this course description catalog, two term one credit per term courses were adjusted to two term half credit per term courses. The course requirements remain the same, but the credit value has been adjusted.

**Evergreen Park Community High School  
Pathways/Sequence**

<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
Pre-AP English 1 or Pre-AP English 1 (H)	Pre-AP English 2 or Seminar (AP)	English 3 and Composition or English Language and Composition (AP)	English 4 or Transition to College English or College Writing I or Literature and Composition (AP)
Human Geography or Human Geography (AP) (Intensive Writing)	Department Course Elective	Department Course Elective	US History or US History (AP), Civics in the 21st Century
Earth and Space Science or 9 <sup>th</sup> Grade Pre-AP Biology (H)	Pre-AP Biology Pre-AP Chemistry (as elective) or 10 <sup>th</sup> Grade Pre-AP Chemistry (H), Biology (AP) (as elective)	Pre-AP Chemistry or Physics, Chemistry (AP), Environmental Science (AP), or Biology (AP) (as elective if Chemistry was already taken) or 11 <sup>th</sup> Grade Physics (H), Chemistry (AP), Biology (AP), Environmental Science (AP) (as elective)	<i>(Electives)</i> Chemistry (AP) Biology (AP) Environmental Science (AP) Pre-AP Chemistry Physics Anatomy & Physiology Forensic Science or <i>(Electives)</i> Chemistry (AP), Biology (AP), Environmental Science (AP), Physics C – Mechanics (AP), Anatomy & Physiology, Forensic Science
Pre-AP Algebra or Pre-AP Algebra (H)	Pre-AP Geometry with Statistics or Pre-AP Geometry with Statistics (H)	Pre-AP Algebra 2 or Pre-AP Algebra 2 (H)	Department Course Elective
Department Course Elective	Computer Concepts & Literacy	Department Course Elective	Financial Literacy in the 21st Century
Physical Ed/Health	Physical Ed/Driver Ed	Physical Ed	Physical Ed
Electives/Reading	Electives/Reading	Electives	Electives
Electives	Electives	Electives	Electives

## **COLLEGE ENTRANCE RECOMMENDATIONS**

Students who plan to attend college should check the requirements for admission to the institutions in which they are interested. Many universities have specific course requirements for certain majors. Students are encouraged to utilize the Naviance program, which is a college and career exploration platform, and/or schedule appointments with their school counselor for specific details. Although foreign language is not required for admission by all colleges, many colleges strongly recommend a 2-4 year sequence in one foreign language. Some state colleges/universities may waive their foreign language/humanities requirement for graduation if a student has completed four courses of a foreign language with a "C" average or better. Completing four courses of math and science are also highly recommended for a college-bound student.

The Naviance program that is utilized at Evergreen Park Community High School is a platform intended for all students to guide them through their college and career planning. It is introduced freshman year and used throughout the four years to take surveys and interest inventories to help students identify their potential college and career options.

## **DUAL CREDIT**

The Moraine Valley Community College Career and Technical Education Dual Credit Program lets high school students take Accounting 1, Microsoft Applications/MOS Certification, Calculus (H), College Writing I, Differential Calculus (AP), Integral Calculus (AP), Precalculus (AP), and Web Page Design and Publishing (HTML and CSS) in high school and earn college credit at the same time. Students must enroll in the Dual Credit Program at Moraine Valley Community College at the beginning of each term when enrolled in classes that qualify for dual credit. Students who receive a grade of "C" or better in these courses will be eligible to receive college credits while in high school. More information will be provided by the EPCHS instructor.

## **DUAL ENROLLMENT**

Dual enrollment courses are available for senior students at EPCHS. These students have a hybrid schedule, in which they spend half of their school day attending EPCHS, and the other half of their day attending a class at Moraine Valley Community College. The dual enrollment options are: the American Sign Language program (ASL), the Basic Nurse Assistant Training program (BNAT), the Emergency Medical Technician program (EMT), the Heating and Air Conditioning program (HVAC), and the MVCC Welding program. Courses are subject to change and additional course options may be available in accordance with the agreement EPCHS has with Moraine Valley Community College. Tuition and fees must be paid to Moraine Valley Community College and students are also responsible for their own transportation. Students who are interested in these programs need to register during course selections in their junior year.

# ACADEMIC POLICIES AND PROCEDURES

## CLASS RANK

Class rank will be calculated at the end of each term. It is important to be concerned with class rank from the first day in high school as it becomes a part of the permanent record and will be referred to by employers and by college admissions counselors.

## CLASS VALEDICTORIAN/SALUTATORIAN

Valedictorian (ranked first in class), salutatorian (ranked second in class), and top 10% of the graduating class will be determined using the GPA as calculated through the midterm progress report of term two in the senior year. To be considered, a student must have attended school for eight terms with at least the last two terms at Evergreen Park Community High School. The GPA will be carried out to the third decimal place.

## EXAM POLICY

All students in grades 9-12 may be assigned to take written finals at the end of each term. Please refer to the course syllabus for specific final exam information and % of the grade.

## FAILURES

Students who fail a course must repeat the course if it is required for graduation. If the course is not required for graduation another class may be taken in its place.

## GRADE LEVEL CLASSIFICATION

Students entering the first year of high school will be considered ninth grade freshmen. Each term a student must be enrolled in a minimum of four courses.

## GRADING SCALE/WEIGHTEDNESS

All courses with an (H) or (AP) designation receive a weighted credit per chart below.

Letter Grade	Grading Scale	Standard	Honors (H)	Advanced Placement (AP)
A+	98-100	4.333	4.833	5.333
A	93-97	4.000	4.500	5.000
A-	90-92	3.667	4.167	4.667
B+	88-89	3.333	3.833	4.333
B	83-87	3.000	3.500	4.000
B-	80-82	2.667	3.167	3.667
C+	78-79	2.333	2.833	3.333
C	73-77	2.000	2.500	3.000
C-	70-72	1.667	2.167	2.667
D+	68-69	1.333	1.333	1.333
D	63-67	1.000	1.000	1.000
D-	60-62	.667	.667	.667
F	0-59	0	0	0

## HOMEWORK

Schoolwork done outside the classroom period is necessary and valuable. It assists students in becoming confident, independent learners and thinkers. Completing homework maintains the integrity of the classroom.

It is important that students complete their homework assignments carefully, honestly, and on time. Students are expected to thoroughly complete the work that teachers consider important. Students and parents/guardians must strive to eliminate distractions, have a personal area for study, and set aside time on a regular, daily basis for completing homework.



## **HONOR ROLL**

Two times per school year at the end of each term, class rank will be calculated. Student GPA will be calculated at the end of each term and Honor Roll and High Honor Roll will be published. Students achieving a 3.0 to 3.749 weighted grade point average will be listed on the Honor Roll. Students achieving a 3.75 weighted grade point average or above will be listed on the High Honor Roll.

## **INCOMPLETE GRADES**

Incompletes should be made up within ten days following the end of the term of the incomplete grade. The incomplete grade will be converted to an "F". Unless there are extenuating circumstances, incompletes are only given in unusual circumstances such as a prolonged illness, family emergency, or late transfer.

## **PROGRESS REPORTS/REPORT CARDS**

Three progress reports will be posted on Family Access each term, spaced approximately four and a half weeks apart. When appropriate, teacher comments may be included with any of the reports issued. The final grade report of each term will include the final grade for the term and the class rank, and will be posted on Family Access immediately following each term. Parents/guardians may contact teachers about student progress by leaving voice mail or e-mail messages.

## **RETAKING A COURSE**

Students who retake a previously failed course will have the course title and grades from both course attempts posted on their transcript and calculated in their GPA.

Students participating in a credit recovery course will receive a pass or fail with no impact on their GPA.

Students will not be allowed to retake a course which they have successfully completed/passed unless there are extenuating circumstances.

## **SECTION 504 ACCOMMODATION PLANS**

Evergreen Park Community High School Provides Section 504 Accommodation Plans to meet the needs of eligible students. Parents should contact the Student Services Director for further information.

## **SPECIAL EDUCATION**

The Special Education Department of Evergreen Park Community High School District 231 is committed to providing support services to all students and will provide each student with disabilities a free and appropriate public education in the least restrictive environment. The courses offered in the Special Education Department align closely with the general education curriculum. The district's perspective is that instruction can most effectively be provided through a collaborative environment between parents, teachers, students, case managers, and support staff. Special Education services are available to students who have been identified in one of the following categories: Intellectual Disability, Orthopedic Impairment, Specific Learning Disability, Visual Impairment, Hearing Impairment, Deafness, Deaf-Blindness, Speech/Language, Emotional Disability, Other Health Impairment, Autism, or Traumatic Brain Injury.

Other programs and services are available through the high school's membership in the AERO Special Education Cooperative and our affiliation with the DuPage/West Cook Regional Association. Eligibility is determined through the IEP meeting process.

Any questions regarding special education services or Section 504 Plans should be directed to the Student Services Director.

### **SUMMER SCHOOL**

Evergreen Park Community High School will offer a self-funded summer school program for the purpose of credit recovery. Students who have failed certain required courses are strongly encouraged to attend summer school at EPCHS or at another approved high school. Information may be obtained from the counselors. Any summer school credit taken outside the district must have prior approval by the EPCHS principal or it will not be accepted for credit.

### **TRANSFER STUDENTS**

Students transferring into Evergreen Park Community High School after the beginning of their freshman year may need to take courses out of the traditional sequence at the discretion of the counselor and the respective division chair.

## AREAS OF RESPONSIBILITY

The following is a list of the individuals responsible for coordination of the high school and its programs. Please contact these people if there is a question about registration and scheduling that cannot be answered by your counselor or classroom teachers.

Mr. Matthew Dugan	Principal All Departments Counseling Services Scheduling & Programming Questions Driver Education (summer)
Mr. Jim Donato	Director of Technology
Mrs. Amy Kazin	Director of Activities Art/Industrial Technology Music/World Languages
Ms. Mary Kerrigan	Director of Special Education
Mr. Robert McCarthy	Assistant Principal
Mrs. Colleen McWalter	English
Mr. Ben Nesler	Business/Social Studies
Mrs. Megan Schillo	Director of Curriculum
Mr. Jim Smith	Math
Mr. Jim Soldan	Director of Athletics
Dr. Mike Thomas	PE/Science Driver Education (during the school year)
Dr. Tina Ward	Media & LRC Programs

**COURSE OFFERINGS  
2023-24**

**ART**

Ceramics, Sculpture, Jewelry Design  
Studio Ceramics, Sculpture, Jewelry Design  
Drawing/Painting  
Studio Drawing/Painting  
Graphic Design  
Studio Graphic Design  
Animation  
Studio Animation  
Photography  
Studio Photography  
Art History (AP)  
Studio Art (AP) Drawing, 2-D Design, 3-D Design

**BUSINESS**

Computer Concepts & Literacy  
Computer Maintenance and Repair  
Microsoft Applications/MOS Certification\*  
Introduction to Business  
Accounting 1\*  
Accounting 2  
Introduction to Programming  
Web Page Design/Publishing  
Computer Science Principles (AP)  
Mobile App Development  
Essential Workplace Strategies 1  
Essential Workplace Strategies 2  
Education Internship  
Financial Literacy in the 21<sup>st</sup> Century  
AERO Internship/AERO PE Internship

**ENGLISH**

Reading 1  
Essential English 1  
Pre-AP English 1  
Pre-AP English 1 (H)  
Reading 2  
Essential English 2  
Pre-AP English 2  
Seminar (AP)  
Essential English 3/Essential Composition  
English 3/Composition  
Language & Composition (AP)  
Essential English 4  
English 4  
Transitional English  
College Writing 1  
Literature & Composition (AP)  
Journalistic Writing & Development  
AP Research

**INDUSTRIAL TECHNOLOGY**

Building and Constructive Technology  
Materials, Design, and Fabrication  
Metals Technology and Fabrication  
Engineering and Architectural Design 1  
Engineering and Architectural Design 2

**MATHEMATICS**

Essential Algebra  
Pre-AP Algebra  
Pre-AP Algebra (H)  
Essential Geometry  
Pre-AP Geometry with Statistics  
Pre-AP Geometry with Statistics (H)  
Essential Algebra 2  
Pre-AP Algebra 2  
Pre-AP Algebra 2 (H)  
Precalculus  
Precalculus (AP)\*  
Calculus (H)\*  
Differential Calculus (AP)\*  
Integral Calculus (AP)\*  
Statistics (AP)  
College and Career Exploration

**MUSIC**

Beginning Band  
Pre-AP Percussion Performance  
Pre-AP Concert Band  
Pre-AP Symphonic Wind Ensemble  
Pre-AP Symphonic Wind Ensemble (seniors)  
Pre-AP Symphonic Wind Ensemble (H)  
Color Guard  
Jazz Ensemble  
Pre-AP Mixed Chorus  
Pre-AP Concert Choir  
Pre-AP A cappella/Concert Choir  
Pre-AP A cappella/Concert Choir (seniors)  
Pre-AP A cappella/Concert Choir (H)  
Lunch Choir  
Rock Band  
Rock Band II/Jazz Combo  
World Music  
Music Theory (AP)

\*The dual credit option is offered through MVCC.

## **PE/HEALTH/DRIVER EDUCATION**

Freshman PE  
Health  
Sophomore PE  
Driver Education  
Junior/Senior PE  
Junior Leadership Program  
Senior Leadership Program  
Strength and Conditioning  
Fit for Life

## **SCIENCE**

Essential Earth and Space Science  
Earth and Space Science  
Essential Biology  
Pre-AP Biology  
Pre-AP Biology (H)  
Pre-AP Chemistry  
Pre-AP Chemistry (H)  
Essential Integrated Chemistry/Physics  
Biology (AP)  
Chemistry (AP)  
Environmental Science (AP)  
Physics  
Physics (H)  
Physics C – Mechanics (AP)  
Anatomy and Physiology  
Forensic Science

## **SOCIAL STUDIES**

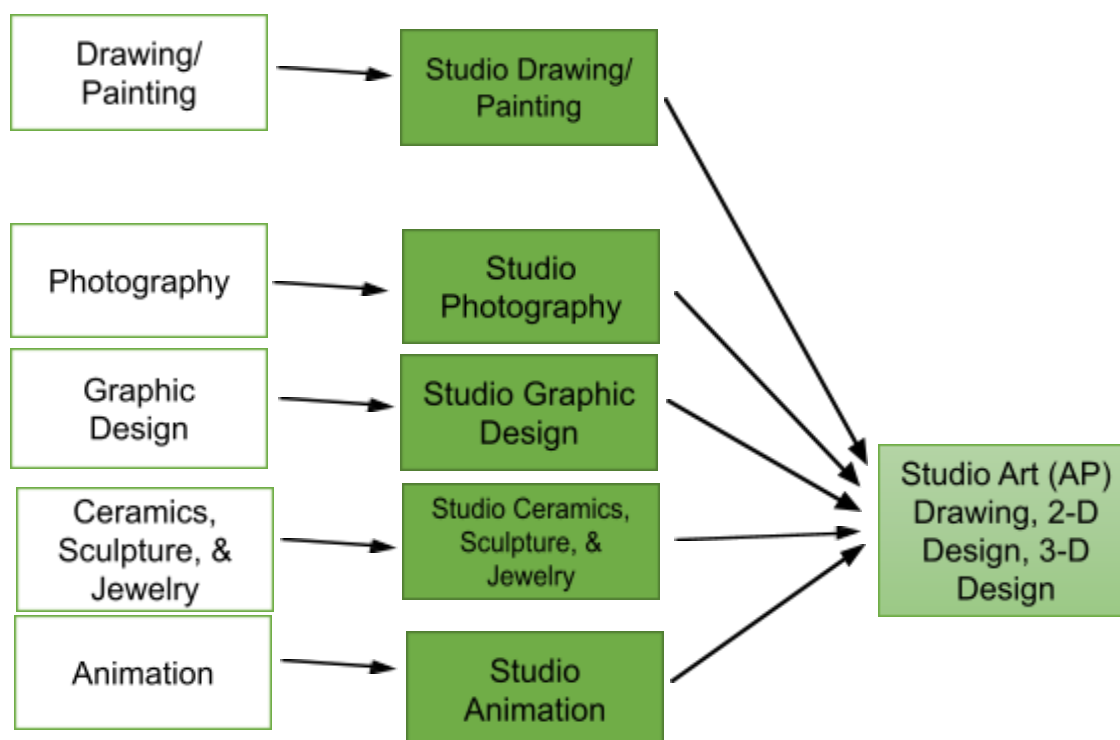
Essential Human Geography  
Human Geography  
Human Geography (AP)  
Essential U.S. History  
U.S. History  
U.S. History (AP)  
Psychology  
Psychology (AP)  
American Law: Our Political Culture  
in the new Millennium  
Civics in the 21<sup>st</sup> Century

## **WORLD LANGUAGES**

Spanish 1  
Spanish 2  
Spanish 3  
Spanish 4  
Spanish Language and Culture (AP)

# ART EDUCATION

The art program is intended to serve both the student who has a basic interest in art and will perhaps go into subsequent art courses at the college level and the student who may not ever receive further art training. Those students who continue to work in the art program will have substantially covered all the basic techniques in most areas and will be acquainted with the materials, tools, and equipment that will be used in advanced work. They will be experienced in analyzing art problems in design, in composition and in the complete process of creating visual representation.



## CERAMICS, SCULPTURE, JEWELRY DESIGN - (1 Term) - 1 credit – Course #600

Prerequisites: None

Level: 9, 10, 11, 12

This course will introduce students to creating art of a three-dimensional nature. The beginning of the term, students will explore hand building and wheel-throwing techniques of creating pottery and sculpture from design to final state. The middle of the term will cover the concept of sculpture. Students will create both nonrepresentational and representational three-dimensional forms. The end of the term, students will explore the art of jewelry making. During this class, the student will be introduced to other sculptural media besides clay. This course stresses original creative effort and technical manipulation of ceramics and sculptural materials. An option to begin to develop an AP portfolio in Three-Dimensional Design is available, but not mandatory.

STUDIO CERAMICS, SCULPTURE, JEWELRY DESIGN - (1 Term) – 1 credit (AP Exam Option) – Course #612

Prerequisite: Completion of Ceramics, Sculpture, Jewelry Design with a grade of a “C” or above. If a grade of less than “C” was earned, then must obtain department chair approval.

Level: 10, 11, 12

This course is designed for students who have successfully completed the prerequisite course listed above. There is an emphasis on advanced techniques and skill levels in this course. An option to continue to develop an AP portfolio in Three-Dimensional Design is available, but not mandatory.

DRAWING/PAINTING - (1 Term) – 1 credit – Course #624 - NEW COURSE

Level: 9, 10, 11, 12

The Drawing/Painting course will provide the students with the opportunity to explore visual self-expression in a variety of two-dimensional drawing media such as graphite and color pencils, charcoal, chalk pastel, and ink, as well as painting media such as oil pastels, watercolors, acrylics, and oils. The students will build upon their knowledge of the Art elements and apply that knowledge to creating advanced-level drawings while learning about the principles of Art. Studies will include observational drawing, color theory, anatomical drawing, realism, abstraction, and portraiture while developing an individual approach to art media and techniques. Students will critically examine prevalent artists and artistic periods throughout the centuries. Students will also learn how to talk about and evaluate works of art, including their own. An option to begin to develop an AP portfolio in Drawing or Two-Dimensional Design is available, but not mandatory. *This course will have STEAM incorporated into the projects.*

STUDIO DRAWING/PAINTING - (1 Term) - 1 credit (AP Exam Option) – Course #622-NEW COURSE

Prerequisites: Completion of either Drawing/Painting with a grade of a “C” or above. If a grade of less than “C” was earned, then must obtain department chair approval.

Level: 10, 11, 12

The Studio Drawing/Painting course will provide the students with the opportunity to explore visual self-expression in a variety of two-dimensional media. The students will build upon their knowledge of the Art elements and principles while developing advanced level approaches to creating artwork.

Students will continue to critically examine prevalent artists and artistic periods throughout the centuries and how artwork reflected the society in which it was created. Students will also continue to learn how to talk about and evaluate works of art, including their own. College and/or career preparation will be explored. An option to continue to develop an AP portfolio in Drawing or Two-Dimensional Design is available, but not mandatory.

GRAPHIC DESIGN - (1 Term) - 1 credit – Course #608

Prerequisites: None

Level: 9, 10, 11, 12

Graphic Design will introduce students to the diverse field of graphic design. Students will learn the skills and techniques necessary to create a wide variety of projects using their knowledge of art and design and various computer programs. Students will explore the history of graphic design, elements and principles of design, typography, and color theory. They will complete various print and multimedia projects such as logo design, product advertisements, photo

manipulations and collages, package design, and a simple animation. A digital portfolio will be created throughout the semester to showcase skills and growth. Various computer graphic programs will be utilized including Adobe Illustrator and Adobe Photoshop. An option to begin to develop an AP portfolio in Two-Dimensional Design is available, but not mandatory.

STUDIO GRAPHIC DESIGN - (1 Term) – 1 credit (AP Exam Option) – Course #614

Prerequisite: Completion of Graphic Design with a grade of a “C” or above. If a grade of less than “C” was earned, then must obtain department chair approval.

Level: 10, 11, 12

This course is designed for students who have successfully completed the prerequisite course listed above. There is an emphasis on portfolio preparation and advanced skill levels in this course. An option to continue to develop an AP portfolio in Two-Dimensional Design is available, but not mandatory.

ANIMATION - (1 Term) - 1 credit – Course #606

Prerequisites: None

Level: 9, 10, 11, 12

Animation is an eighteen-week course designed to meet the needs of any high school students interested in animation and film production. Emphasis will be placed on specific animation genres, the history of animation, animation techniques, film analysis, and animation, as well as character development and creating storylines. In the class, students will strive to develop and create a unique character and original stories. Through the viewing of classic animation through today’s modern animated films, students will receive a better understanding of plot, setting, point of view, characterization, theme, and symbolism. Attention is given to writing storyboards that would enable the student to successfully complete an animated short by the end of the class. For the animation portion of the class, students will utilize not only computers and Wacom tablets to render their images, but will also experiment in older animation techniques, such as cell animation and stop motion. An option to begin to develop an AP portfolio in Two-Dimensional Design is available, but not mandatory.

STUDIO ANIMATION - (1 Term) – 1 credit (AP Exam Option) – Course #605

Prerequisite: Completion of Animation with a grade of a “C” or above. If a grade of less than “C” was earned, then must obtain department chair approval.

Level: 10, 11, 12

This course is designed for students who have successfully completed the prerequisite course listed above. There is an emphasis on portfolio preparation and advanced skill levels in this course. An option to continue to develop an AP portfolio in Two-Dimensional Design is available, but not mandatory.

PHOTOGRAPHY - (1 Term) - 1 credit – Course #607

Prerequisites: None

Level: 9, 10, 11, 12

The Photography course is designed to be a basic introduction to both the artistic and technical sides of photography through black and white camera work and laboratory procedures. Students will gain an understanding of how an adjustable camera functions in order to properly expose negatives and from these negatives develop high quality prints in the darkroom. Students will also learn to successfully compose photographs making use of the fundamentals of design, lighting techniques, and darkroom manipulation techniques, leading to the



understanding of photography as a fine arts media. Effective organizational skills are required because multiple activities are done concurrently. Students will also be incorporating digital photography into the class and learning about Adobe Photoshop as well as Photography as a communicator in social media.

\*\*Students are required to have or borrow a basic 35MM camera. Students will also need a digital camera, but their iPad can be used. An additional fee of \$75 will be added to the student's bill for printing paper. An option to begin to develop an AP portfolio in Two-Dimensional Design is available, but not mandatory.

#### STUDIO PHOTOGRAPHY - (1 Term) – 1 credit (AP Exam Option) – Course #613

Prerequisite: Completion of Photography with a grade of a "C" or above. If a grade of less than "C" was earned, then must obtain department chair approval.

Level: 10, 11, 12

This course is designed for students who have successfully completed the prerequisite course listed above. There is an emphasis on portfolio preparation and advanced skill levels in this course.

\*\*Students are required to have or borrow a basic 35MM camera. Students will also need a digital camera, but their iPad can be used. An additional fee of \$75 will be added to the student's bill for printing paper. An option to continue to develop an AP portfolio in Two-Dimensional Design is available, but not mandatory.

#### ART HISTORY (AP) - (1 Term) - 1 credit – Course #610

Prerequisites: None

Level: 10, 11, 12

Advanced Placement Art History is designed for artists and non-artists. AP Art History is an elective course that is designed to be the equivalent of a two-semester college course. It is open to sophomores, juniors and seniors. This class will prepare students for the AP Art History Exam scheduled in May of each year. The curriculum will be mostly chronological in nature with the insertion of significant cultures that were primary influences to western art. It will provide a deep understanding of the social, political, religious and historical cultural events surrounding the specific era in which each piece of art, to be studied, was created.

Students will conclude the course with the skills to analyze a work of art using formal, intrinsic and extrinsic knowledge evaluate the intent of the artist. Students will demonstrate the ability to recognize individual artist's styles and techniques. Finally, they will acquire an appreciation for aesthetic and cultural influences that define the role art plays in the timeline of history. Field trips will be part of the curriculum because they enable students to expand on the concepts learned in class. AP students are encouraged to take the AP College Board exams which are administered in the spring. (Additional exam fee required.)

#### STUDIO ART (AP) DRAWING, 2-D DESIGN, & 3-D DESIGN - (1 Term) - 1 credit–Course #623

Prerequisites: Completion of the following Art courses (Studio Ceramics, Sculpture, Jewelry Design, Studio Drawing/Painting, Studio Computer Graphics, Studio Animation and Screenplay, or Studio Photography) with a grade of a "C" or better. If a grade of less than "C" was earned, then must obtain department chair approval.

Level: 10, 11, 12

AP Studio Art is an eighteen-week course that is designed to meet the needs of any high school student who plans to major in Art in college or Art school, and is committed to the preparation of an Advanced Placement Studio Art Portfolio in Drawing, 2-D Design or 3-D Design. Emphasis will be placed on demonstrating how the arts can shape and reflect ideas, issues or themes in society, while determining and evaluating how tools/technologies and processes combine to convey meaning. Through studio practice, application of design concepts, and informed decision making, students will assemble a body of artwork that demonstrates a high level of quality and growth over time. Continued focus will be on using the elements of art (line, shape, form, value, texture, space, and color) and the principles of art (balance, rhythm, contrast, movement, emphasis, pattern, and unity) to organize and convey meaning in digital/graphic, drawn, painted, photographic, and/or sculptural/ceramic works while developing mastery in concept, composition, and execution of Drawing, 2-D Design, or 3-D Design. Students will address the two components in their portfolios: Selected Works and Sustained Investigation. Students will submit this body of work to the College Board for grading and possible college credit. AP students are encouraged to take the AP College Board exams which are administered in the spring. (Additional exam fee may be required.)

ART DEPARTMENT AIDE - (1 Term) - 1 credit – Course #912

Prerequisites: Department chair approval

Level: 12

The Art Department offers qualified students the opportunity to become department aide. Activities will include assisting with the preparation of class materials, setting up art displays, and other department duties.

# BUSINESS EDUCATION

Business education is important for all high school students. Its subjects help the students discover their strengths, weaknesses and interests, which in turn guide their high school endeavors. The skills gained may make possible the chance to obtain entry-level positions after high school, or they may assist students to earn extra money while attending college.

<b>District 231 CTE Dual Credit through MVCC</b>		
<b>District 231 Courses</b>	<b>MVCC Courses</b>	<b>College Credits</b>
Accounting 1	OSA-249 Accounting for Office Professionals	3
Microsoft Applications/MOS Certification	OSA-145 Microsoft Word	3
Web Page Design/Publishing	MIS 141 – Website Development: HTML & CSS	3

*Pending changes to the status of dual credit, junior and senior students may earn college credit from Moraine Valley Community College if they earn a grade of "C" or higher. (Business CTE Dual Credit Courses are subject to change yearly)*

## COMPUTER CONCEPTS & LITERACY - (1 Term) - 1 credit - Course #547 - NEW COURSE

Prerequisites: None  
Level: 9, 10, 11, 12

Computer Concepts & Literacy is a state-required course that will provide students the chance to develop basic keyboarding skills along with learning and applying Microsoft Office concepts to the production of documents such as letters, memos, reports, and tables used in school and personal life. Internet research concepts and online databases will also be applied to developing projects. Students will understand the fundamental concepts of operations of various technology devices, data management and security, multimedia, software applications, and collaboration tools. They also will leverage technology to set and demonstrate competency in their learning goals.

## COMPUTER MAINTENANCE AND REPAIR - (1 Term) - 1 credit – Course #545-NEW COURSE

Prerequisites: None  
Level: 9, 10, 11, 12

Computer Maintenance and Repair is a hands-on, career-oriented e-learning solution with an emphasis on practical experience to help students develop fundamental computer skills, along with essential career skills. Students will have the opportunity to physically assemble computer systems, and install software operating systems in this course. Students also have access to virtual computer systems to work on. The Cisco® IT Essentials curriculum helps students prepare for entry-level ICT career opportunities and the CompTIA A+ certification, which helps students differentiate themselves in the marketplace to advance their careers. In addition, the course provides a learning pathway to the Cisco CCNA® Discovery and CCNA Exploration curricula.

### MICROSOFT APPLICATIONS/MOS CERTIFICATION (1 Term) - 1 credit – Course #522

*NOTE: Students taking this course have the option to earn Dual Credit through Moraine Valley Community College for OSA 145 Microsoft Word. If choosing the dual enrollment option, students must earn an “A”, “B”, or “C” in class to receive college credit and an additional fee is required.*

Prerequisite: None – However, Dual Credit requires Computer Concepts or Computer Concepts & Literacy as a prerequisite

Level: 9, 10, 11, 12

This course is designed to provide detailed instruction on the use of the Microsoft Office Suite. Course content will focus upon word processing, spreadsheets, charts, and PowerPoint. . The students will cover the skills needed to complete computer assignments and projects throughout high school and college. It will also prepare students for initial employment by developing a working knowledge of software applications to accomplish tasks typically performed in business. Students will have the opportunity to take the *Microsoft Office Specialist (MOS)* certification test. With an emphasis on hands-on, independent learning, this course is highly recommended for all college-bound students and those who plan to enter today’s competitive job market

### INTRODUCTION TO BUSINESS - (1 Term) – 1 credit – Course #527

Prerequisites: None

Level: 9, 10, 11, 12

This course will provide the student with the opportunity to develop concepts, attitudes, and ideas about the nature of business and the environment in which it operates. Types of business ownership, management, marketing, personal finance management, accounting, human resources, technology, ethics and other related topics are covered.

### ACCOUNTING 1 - (1 Term) - 1 credit – Course #534

*NOTE: Students taking this course have the option to earn Dual Credit through Moraine Valley for OSA-249 Accounting for Office Professionals. If choosing the dual credit enrollment option, students must earn an “A”, “B”, or “C” in the class to receive college credit and an additional fee is required.*

Prerequisites: None

Level: 9, 10, 11, 12

The study of accounting will give the student a general knowledge of the vocabulary of business and an understanding of basic business procedures. The fundamental principles of accounting will be applied to the single proprietorship of business. Students study the techniques involved in systematically preparing neat, accurate records in accordance with the principles of double-entry bookkeeping. Systems for cash control, sales, and purchases of merchandise on account are studied.

### ACCOUNTING 2 - (1 Term) - 1 credit – Course #535

Prerequisites: Accounting 1

Level: 9, 10, 11, 12

An advanced accounting course that provides the capable student with further skills in applying principles learned in the first course. It acquaints students with methods used in various business situations so that they are able to assume a more responsible position in the business world. The contents of this course are departmental and managerial accounting practices and accounting for multi-store businesses, decision-making procedures, accounting procedures to control costs, revenue and expenses, and applying the manual accounting principles learned on the microcomputer.

## INTRODUCTION TO PROGRAMMING - (1 Term) - 1 credit - Course #519 - NEW COURSE

Prerequisites: None

Level 9, 10, 11, 12

Introduction to Programming is a semester-long course that empowers students to engage with computer science as a medium for creativity, communication, problem solving, and fun! The course takes a wide lens on computer science by covering topics such as problem solving, programming (HTML, Java, Python), physical computing, user centered design, and data, while inspiring students as they build their own websites, apps, animations, games, and physical computing systems.

## WEB PAGE DESIGN/PUBLISHING - (1 Term) - 1 credit – Course #530

*NOTE: Students taking this course have the option to earn Dual Credit through Moraine Valley Community College for MIS 141 – Website Development: HTML & CSS. If choosing the dual credit enrollment option, students must earn an “A”, “B”, or “C” in the class to receive college credit and an additional fee is required.*

Prerequisites: NONE

Level: 9, 10, 11, 12

This course provides hands-on learning experiences in web page authoring and publishing using state-of-the-art HTML editors. Future web designers will use HTML format fonts, create bulleted lists, insert hyperlinks, cascading style sheets and tables. The creation and maintenance of personal, corporate, and educational websites will be enhanced through utilization of graphics and desktop publishing software.

## MOBILE APP DEVELOPMENT - (1 Term) - 1 credit – Course #529

Prerequisite: None

Level: 9, 10, 11, 12

“There’s an app for that.” Not only have Apple iOS apps become a natural and essential part of our daily lives, but software development careers are some of the most highly paid in a fast growing job market. Students will build real iOS apps using Apple’s tools (the tools developers use in the real-world). They will learn professional software design using the Swift programming language. Beginning with the fundamentals, students will be guided through the development of a variety of apps of growing complexity, culminating in the development of a custom app of their own design. While geared towards the beginning programmer, this course requires a high level of personal dedication in order to successfully master the challenging concepts that are covered.

## COMPUTER SCIENCE PRINCIPLES (AP) – (1 Term) – 1 credit – Course #546 #300

Prerequisite: Completion of Pre-AP Algebra or Pre-AP Algebra H with a grade of “C” or above. It is important that students and their advisers understand that any significant computer science course builds upon a foundation of mathematical and computational reasoning that will be applied throughout the study of the course.

Level: 10, 11, 12

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions

that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. (Additional exam fee may be required.)

ESSENTIAL WORKPLACE STRATEGIES: INSTRUCTIONAL - (1 Term) – .50 credit – Course #508

*NOTE: This course must be taken concurrent with Course #509*

Prerequisites: Director of Special Education approval and students with IEP

Level: 10, 11, 12

Essential Workplace Strategies is a comprehensive program designed to provide students with the skills needed to be successful in making the transition from school to work. The content of the course includes career exploration and awareness, basic employee competencies, positive work habits and communication skills. This course will be taught by a special education teacher. (Course may be repeated.)

WORKPLACE STRATEGIES: IN BUILDING FIELD EXPERIENCE - (1 Term) –.50 credit – Course #509

*NOTE: This course must be taken concurrent with Course #508*

Prerequisites: Director of Special Education approval and students with IEP

Level: 10, 11, 12

Workplace Strategies is a comprehensive program designed to provide students with the skills needed to be successful in making the transition from school to work. In this course, students will practice appropriate work skills while performing jobs within the building. (Course may be repeated.)

ESSENTIAL WORKPLACE STRATEGIES: INSTRUCTIONAL (FULL YEAR) - .50 credit – Course #506

Prerequisites: Director of Special Education approval and students with IEP

Level: 10, 11, 12

Essential Workplace Strategies is a comprehensive program designed to provide students with the skills needed to be successful in making the transition from school to work. The course includes career exploration and awareness, basic employee competencies, positive work habits and communication skills. This course will be taught by a special education teacher. (Course may be repeated.)

WORKPLACE STRATEGIES: IN BUILDING FIELD EXPERIENCE - (FULL YEAR) - .50 credit – Course #507

Prerequisites: Director of Special Education approval and students with IEP

Level: 10, 11, 12

Workplace Strategies is a comprehensive program designed to provide students with the skills needed to be successful in making the transition from school to work. In this course, students will practice appropriate work skills while performing various jobs within the building. (Course may be repeated.)

WORKPLACE STRATEGIES 2 - (1 Term) – 1 credit – Course #513 (T1) or #514 (T2)

WORKPLACE STRATEGIES 2 (FULL YEAR) – 1 credit – Course #515

Prerequisites: Director of Special Education approval and Students with IEP

Level: 11, 12

This course is a comprehensive program designed to provide students with the skills needed to be successful in making the transition from school to work. The course includes career exploration and awareness, basic employee competencies, positive work habits and communication skills. The students will be placed at job sites in the community. (Course may be repeated.)

EDUCATION INTERNSHIP\*\* - (1 Term) - 1 credit – Course #536

Prerequisites: Completed application and Director of Curriculum approval

\*\*Selection to the program will be based on a completed application, insurance waiver, attendance, discipline, and cumulative grade point average of 2.50 or higher. In addition, students must have a car to drive to their internship placement.

Level: 12

This course is designed to provide students with a “hands on” opportunity to explore a career in education. Following several weeks of orientation on educational theories/philosophies and issues in education, including discipline, instructional methodology, school law, confidentiality and characteristics of the school aged child, students are placed with a cooperating teacher in one of the Evergreen Park schools for one block a day, three days a week. Two days a week the interns remain at school to discuss experiences, share insights, problem solve with one another and develop a portfolio.

FINANCIAL LITERACY IN THE 21<sup>ST</sup> CENTURY- ½ credit - Course #537

Prerequisite: None

Level: 12

This course is designed to empower students with knowledge and application of basic financial principles so that they can make sound financial decisions, develop interest in financial management, and foster an understanding and appreciation of ethical money management. Students will receive 9 weeks of Financial Literacy instruction.

AERO INTERNSHIP - (Term 1 Only) – 1 credit – Course #540

Prerequisite: Completed application and Director of Special Education approval.

\*\*Selection to the program will be based on a completed application, insurance waiver, attendance, discipline, and cumulative grade point average of 2.50 or higher.

Level: 12

This course is designed to provide students with a hands-on opportunity to explore a career in special education. The AERO Internship position is for senior students who are interested in developing friendships and mentoring students with cognitive and developmental disabilities. Students who are interested in pursuing teaching students with disabilities as a career should enroll in this course.

AERO PE INTERNSHIP - (Term 2 Only) - 1 credit – Course #541

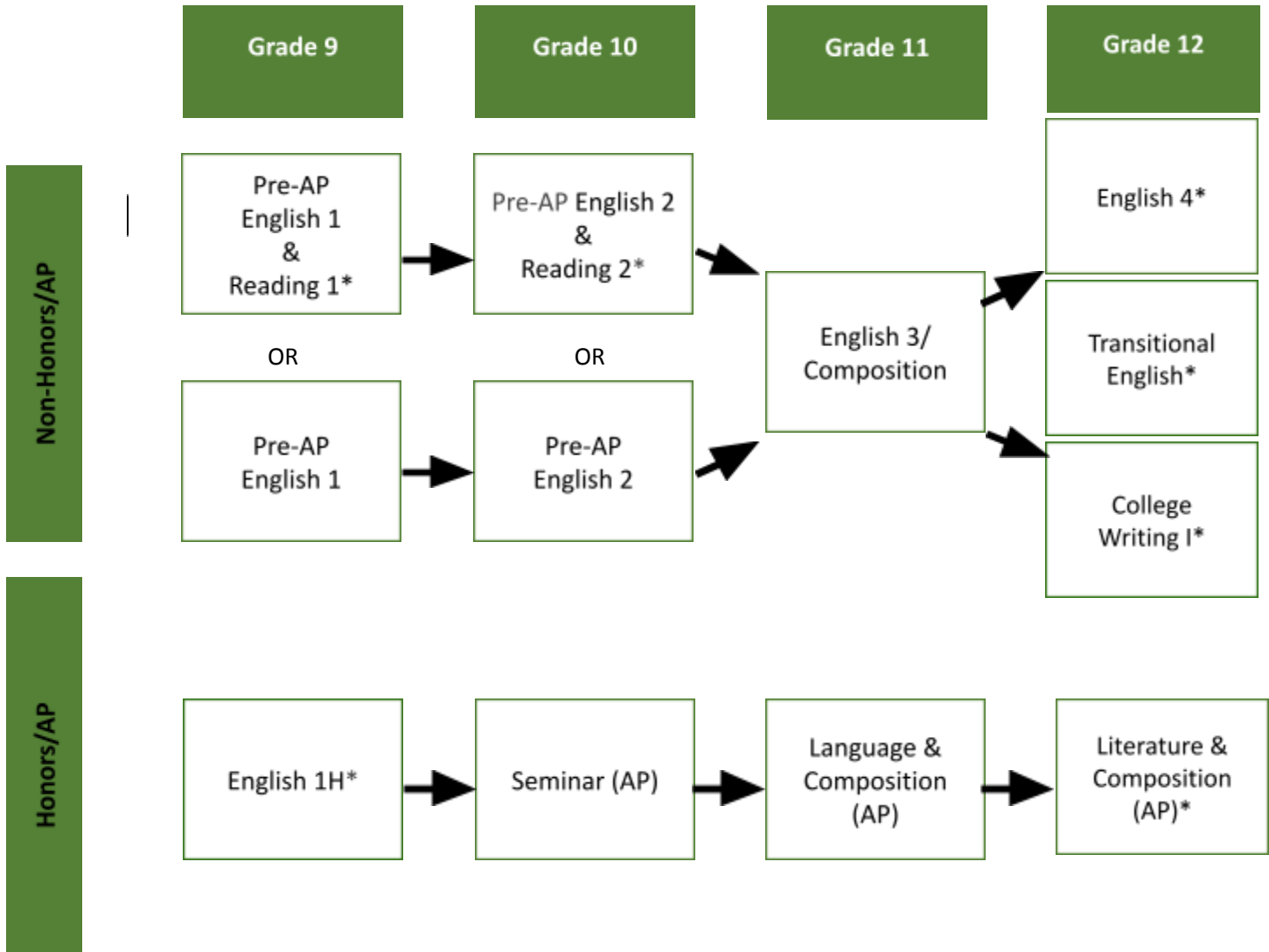
Prerequisite: Term 1 Aero Internship (Course #540)

Level: 12

Students will assist in the Adaptive PE classroom with the Adaptive PE Program. Students will be assigned to help one student in PE on a daily basis.

# ENGLISH DEPARTMENT

## Program Sequence



Placement scores and teacher recommendation will be used for freshman student placement.

\*1-term courses



# ENGLISH

District 231 CTE Dual Credit through MVCC		
District 231 Courses	MVCC Courses	College Credits
COLLEGE WRITING I	COM- 101	3

## READING 1 - (1 Term) – 1 credit - Course #050

Prerequisite: Appropriate score on 9th grade placement tests

Level: 9

This course offers an intensive reading intervention program (Read 180) and is designed to meet the needs of students whose reading achievement is below the proficient level. The course material directly addresses individual needs through adaptive and instructional software, high-interest literature, Informational texts, and direct instruction in reading and writing skills. This course is aligned with the Common Core State Standards in English and Language Arts.

## ESSENTIAL ENGLISH 1 - (2 Terms) – 1 credit – Course #039

Prerequisite: Director of Special Education approval

Level: 9

This course explores literary genres, including short stories, novels, poetry, drama, and nonfiction. Students will be introduced to various stylistic techniques to help them learn strategies to improve reading, writing, listening, and speaking skills. Vocabulary study and explicit reading instruction are integrated into the study of literature and other texts. Differentiated activities will focus on the strategies that allow students to set clear purposes for reading and writing and to help students construct meaning from literary works. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum. This course follows the College Board Pre-AP framework and is aligned with the Common Core State Standards.

## PRE-AP ENGLISH 1 - (2 Terms) - 1 credit – Course #059P

Prerequisites: Appropriate score on 9th grade placement tests

Level: 9

In this two term class, students will learn various reading strategies. They will explore various literary genres, including short stories, novels, epic poetry, drama, and nonfiction. Vocabulary study, grammar skills, and writing organizational skills will be incorporated throughout the year. Students will learn basic research skills including MLA formatting. This course follows the College Board Pre-AP framework and is aligned with the Common Core State Standards.

## PRE-AP ENGLISH 1 (H) - (1 Term) - 1 credit – Course #062P

Prerequisites: Appropriate score on 9th grade placement tests

Level: 9

This is an accelerated program designed to challenge students through an intensive exposure to literature and composition, which emphasizes the use of critical thinking and analytical skills. Instruction will be provided to help students develop superior skill level in the rhetorical modes with particular emphasis on literary analysis. This course follows the College Board Pre-AP framework and is aligned with the Common Core Standards.

READING 2 - (1 Term) – 1 credit – Course #051

Prerequisites: Appropriate Lexile Score and/or department chair recommendation  
Level: 10

This course offers an intensive reading instruction designed to meet the needs of students whose reading achievement is below the proficient level (Read 180), offering students a continuing opportunity to achieve reading success through a combination of instructional, modeled and differentiated reading activities. Emphasis will be placed on comprehension and fluency of both literature and informational texts, as well as writing, listening, and speaking skills. The course is aligned with the Common Core State Standards in English and Language Arts.

ESSENTIAL ENGLISH 2 - (2 Terms) - 1 credit – Course #041A

Prerequisite: Essential English 1 or Director of Special Education approval  
Level: 10

This course focuses on the study of literature through novels, literary nonfiction, informational text, and poetry, as well as continuation of the sequential vocabulary program. Basic grammar and composition skills are stressed. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum. This course follows the College Board Pre-AP framework and is aligned with the Common Core State Standards.

PRE-AP ENGLISH 2 - (2 Terms) - 1 credit – Course #061P

Prerequisites: Pre-AP English 1 course or department chair approval  
Level: 10

This course focuses on the study of drama, informational text, literary nonfiction, and excerpts from novels. Vocabulary study and grammar skills will be incorporated throughout the term. Students will receive direct writing instruction in organization and development. Students will also continue to develop basic research skills, including MLA formatting. This course follows the College Board Pre-AP framework and is aligned with the Common Core State Standards.

SEMINAR (AP) - (2 Terms) - 1 credit - Course #088

Prerequisites: Pre-AP English 1(H) course with a B or above or department chair approval

*NOTE: AP Summer reading required*

Level: 10

The AP Seminar course is designed to challenge students to use critical thinking skills to analyze, evaluate, and synthesize information from a variety of sources and communicate effectively through research-based essays, collaborative work, and individual and team-based presentations. Students will develop a wide-range of skills: reading and analyzing literature, articles, studies and other texts; gathering and combining information from a variety of sources to consider multiple perspectives; and crafting, defending and communicating evidence-based arguments. Vocabulary study and grammar skills will be incorporated throughout the term. AP students are encouraged to take the AP College Board exams which are administered in the spring. (Additional exam fee may be required.)

ESSENTIAL ENGLISH 3/ESSENTIAL COMPOSITION - (2 Terms) - 1 credit – Course #043

Prerequisite: Essential English 2 or Director of Special Education approval

Level: 11

The Essential English 3 course is devoted to an understanding of American ideals as expressed within our multicultural literary heritage through short stories, novels, and poetry. This course emphasizes vocabulary development, reading skills, SAT preparation, and composition. In addition to the primary focus of intensive writing, this course will continue the work of Term 1 Essential English 3. Basic grammar skills, study skills, note-taking strategies and SAT preparation will be emphasized in this course. The major works of American literature, vocabulary development, and reading skills will also be emphasized. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum. This course is aligned with the Common Core State Standards in English and Language Arts.

ENGLISH 3/COMPOSITION - (2 Terms) - 1 credit – Course #071

Prerequisites: Pre-AP English 1 and Pre-AP English 2 or department chair approval

Level: 11

This course is devoted to an understanding of American ideals as expressed within our multicultural literary heritage through short stories, novels, and poetry. This course emphasizes vocabulary development, reading skills, SAT preparation, and composition. This course is aligned with the Common Core State Standards in English and Language Arts.

LANGUAGE AND COMPOSITION (AP) - (2 Terms) - 1 credit - Course #068

Prerequisites: Seminar (AP) with a grade of B or above or department chair approval

*NOTE: AP Summer reading required*

Level: 11

The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as how the elements of language contribute to effectiveness in writing.

Students will read complex texts with understanding and will write prose of sufficient richness and complexity to communicate effectively with mature readers. Students will be encouraged to place their emphasis on content, purpose, and audience and to allow this focus to guide the organization of their writing. As well as engaging in varied writing tasks, students will become acquainted with a wide variety of prose styles from many disciplines and historical periods and will gain understanding of the connections between writing and interpretive skill in reading. Summer reading is required. AP students are encouraged to take the AP College Board exams which are administered in the spring. (Additional exam fee may be required.)

ESSENTIAL ENGLISH 4 - (1 Term) - 1 credit – Course #044

Prerequisite: Essential English 3 or Director of Special Education approval

Level: 12

This course focuses on the development of paragraph writing, as well as research and speech skills, leading to the presentation of a research paper. Students will prepare for college and/or the world of work. Reading skills are reinforced through response to a variety of fiction and nonfiction works and through the use of the sequential vocabulary program. This course will be taught by a special education teacher with accommodations and modifications to the general

education curriculum. This course is aligned with the Common Core State Standards in English and Language Arts.

ENGLISH 4 - (1 Term) - 1 credit – Course #069

Prerequisites: Pre-AP English 1, Pre-AP English 2, and English 3/Composition or department chair approval

Level: 12

Students will be challenged to develop their comprehension, grammar, vocabulary, analytical, and expressive skills in preparation for college or the world of work. Emphasis is placed upon application of language principles to the understanding of literature, analysis, and the extensive study of vocabulary through the use of the sequential vocabulary program. The development of paragraph and essay writing, as well as research and speech skills, will lead to the presentation of a formal research paper. This course is aligned with the Common Core State Standards for Language Arts and Composition.

TRANSITIONAL ENGLISH - (1 Term) - 1 credit - Course #091 - NEW COURSE

Prerequisites: Pre-AP English 1, Pre-AP English 2, and English 3/Composition

Level: 12

Transition to College English is a developmental composition course for seniors that precedes college transfer-level English composition courses. This course fundamentally integrates reading and writing and will facilitate students' academic learning experiences as they develop competency with the academic reading and writing skills expected in college-level classes. Students will become acquainted with the analysis of a wide variety of prose styles from multiple disciplines and will make connections between writing and interpretive skills in reading. Throughout the course, students will consider how, why, and when to employ various reading and writing strategies and processes. In addition, students will also evaluate their overall college readiness, employability, and life success. Students earning a C or better in this course will be eligible to enter credit-bearing English courses at MVCC or additional participating colleges/universities.

COLLEGE WRITING I - (1 Term) - 1 credit - Course #089

Prerequisites: Pre-AP English 1, Pre-AP English 2, and a B or above in English 3/Composition and a score of 480 or higher on the SAT (English-Based Reading and Writing) or department chair approval

Level: 12

College Writing I is a rigorous writing course that improves a student's skills in grammar, research, organization, reading comprehension, and writing. This course teaches students to write in different styles: *persuasive/argumentative essays, research-based essays, the personal essay, and reflective/narrative writing*. Students are to read and write daily for classwork and homework and share their writings for class use in lessons, models, and/or peer critiques. The course includes an intensive study of grammar components and their significance in effective writing, and develops communication and information literacy skills. This course is dual credit. Registration with Moraine Valley Community College prior to the semester and a fee of approximately \$150 is required. Students who pass this course with a C or better earn credit for MVCC COM-101.

LITERATURE AND COMPOSITION (AP) - (1 Term) - 1 credit – Course #070

Prerequisites: Language and Composition (AP) with a grade of B or above or department chair approval

*NOTE: AP Summer reading required*

Level: 12

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading and selected texts, students can deepen their understanding of the ways writers use language. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, symbolism, and tone. Selected works of major writers and philosophers will serve as a vehicle for analysis for the college-bound student. High level critical thinking and interpretive skills will be developed through formal writing and discussions. This is a rigorous and demanding course with an emphasis on AP exam preparation. AP students are encouraged to take the AP College Board exams which are administered in the spring. (Additional exam fee may be required.)

JOURNALISTIC WRITING & DEVELOPMENT – (1 Term) – 1 credit–Course #085

Prerequisite: English 3 or English 3 concurrent

Level: 11, 12

This course is designed for students who are interested in developing strong written and oral communication skills. Targeted skills include critical media literacy, writing in a variety of styles, interviewing, publication design, photo journalism and production. This course primarily addresses the Common Core State English Language Arts Standards through the study of information gathering techniques. E-media concepts will be introduced.

AP RESEARCH - (1 Term) - 1 credit - Course #090 - NEW COURSE

Prerequisites: AP Seminar course with a B or above or department chair approval

Level: 11, 12

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. *If a score of 3 or higher on both AP Seminar and AP Research is earned, students receive an AP Capstone diploma. Additionally, if students earn a score of 3 or higher on at least 4 other AP courses, they earn an AP Capstone diploma. (Additional exam fee may be required.)*

*AP Research is an elective and will not be counted as credit toward completion of English requirements.*

ENGLISH DEPARTMENT AIDE - (1 Term) – 1 credit – Course #900

ELECTIVE

Prerequisite: Department chair approval

Level: 12

The English Department offers qualified students the opportunity to become department aides. Activities will include assisting with preparation of class materials and other department duties. The English Department aide position is an elective and will not be counted as credit toward completion of English requirements.

# INDUSTRIAL TECHNOLOGY

Industrial Technology is defined as a group of technical subjects that emphasize the "how" and "why" of industrial materials and occupations and trains the students to combine scientific knowledge and mechanical skills to aid him/her to better understand the technical world in which we live.

The industrial technology courses are designed to give students some knowledge of common practice in the purchase, use and care of materials and machines, and a practical attitude toward the skilled occupations of our age.

Exploration and appreciation is the aim of industrial education. These subjects will, however, aid a student who pursues special trade training, as well as those who plan to enter technical college after graduation. Students planning an engineering or technical career should include Engineering and Architectural Design and one other course in industrial materials as college preparatory work.

## BUILDING AND CONSTRUCTION TECHNOLOGY- (1 Term) - 1 credit – Course #812

Prerequisites: None

Level: 9, 10, 11, 12

Students will be introduced to the building trades with an emphasis on machine woodworking skills and power machinery used in cabinet making and millwork. Other topics to be covered are: manufacturing, sketching, related math, machine skills, safety, and cooperative work habits. Framing activities will include walls, stair stringers, and rafter design and layout.

## MATERIALS, DESIGN, AND FABRICATION - (1 Term) - 1 credit – Course #813

Prerequisites: Building and Construction Technology or Metals, Technology and Fabrication

Level: 10, 11, 12

This is an advanced level course requiring students to complete hands-on activities to further develop an understanding of advanced machine tool, welding, and construction concepts. Computer Numerical Controlled Machining and Computer Aided Design will be essential to these projects. Career pathways in machine tool, pipefitting, sheet metal fabrication, HVAC, and construction will be highlighted.

## METALS TECHNOLOGY AND FABRICATION - (1 Term) - 1 credit – Course #815

Prerequisites: None

Level: 9, 10, 11, 12

Most of the products used in our technical society are made from metal. It is important to have some basic knowledge and understanding of the metalworking processes.

Students will be instructed and given practice in the fundamental operations used by metal workers. Study units will include welding, sheet metal work, bench metal, foundry, basic machine operations, and computer controlled machines. Safety will be stressed for both individual and group work.

ENGINEERING AND ARCHITECTURAL DESIGN 1 - (1 Term) - 1 credit – Course #816

Prerequisites: None

Level: 9, 10, 11, 12

This course prepares students for careers that use drawing or materials to create products, machines, or architecture. Activities include sketching, drafting, computer aided design, and model building. This class includes exposure to materials and processes.

ENGINEERING AND ARCHITECTURAL DESIGN 2 - (1 Term) - 1 credit – Course #817

Prerequisites: Engineering and Architectural Design 1

Level: 9, 10, 11, 12

This course is an advanced extension of Engineering and Architectural Design 1. Students will gain more experience working with 3-D CAD software to design and produce advanced 3-D projects. Topics will include architecture, prototyping, model-making, and 3-D printing.

INDUSTRIAL TECHNOLOGY AIDE - (1 Term) - 1 credit – Course #915

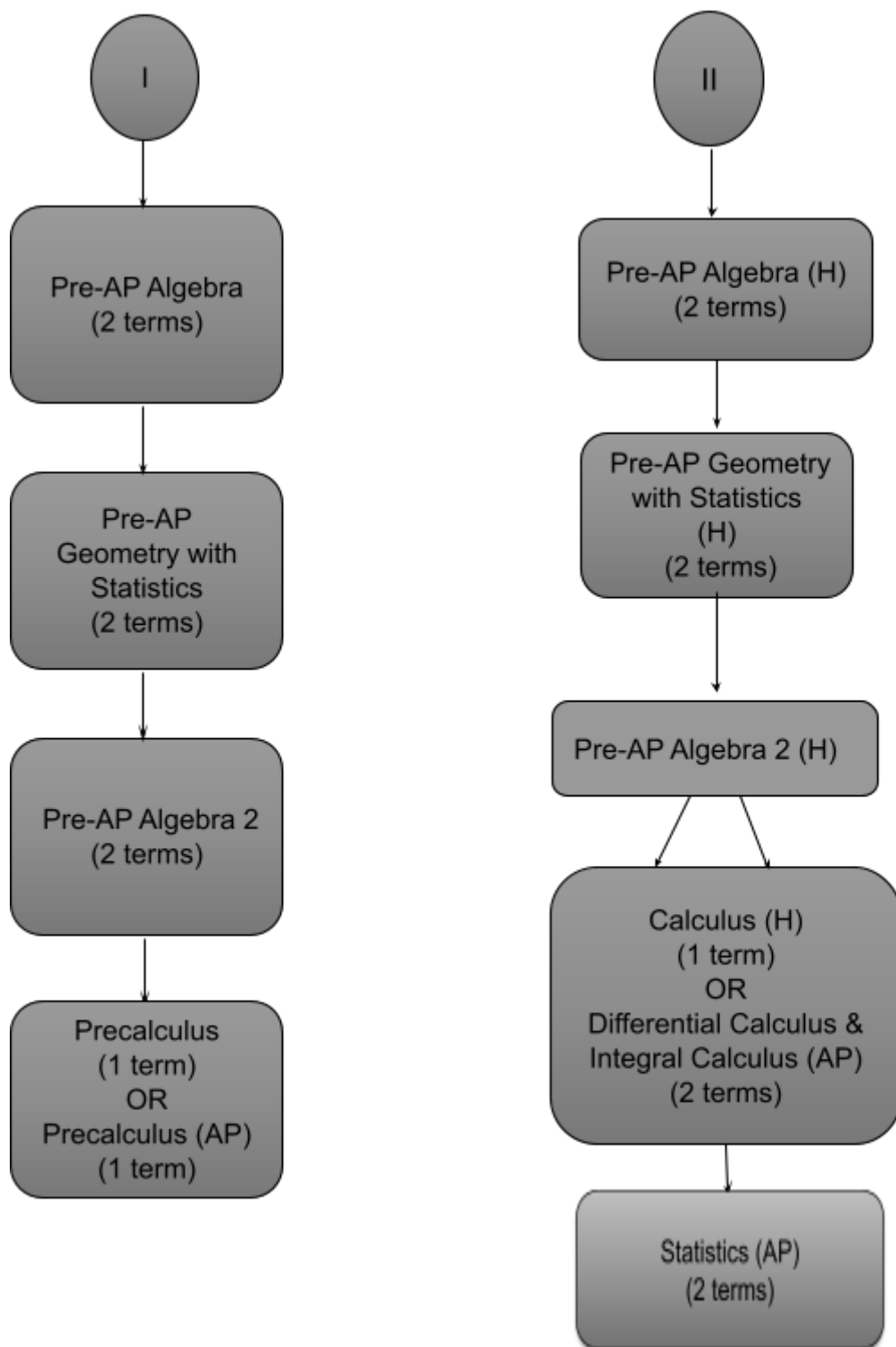
Prerequisites: Department chair approval

Level: 12

Responsibilities will include assisting the instructor with classroom preparation and observation of student work.



# MATH DEPARTMENT COURSES



Placement scores and teacher recommendation will be used for freshman student placement.

# MATHEMATICS

A wide range of courses from Algebra to Calculus is available. Prior to the selection of their courses, students should study the course descriptions and discuss their choice with their parents, mathematics instructors, and counselors. Honors (H) and Advanced Placement (AP) classes are more rigorous than traditional classes and are intended for students with above average math ability and a strong work ethic.

<b>District 231 CTE Dual Credit through MVCC</b>		
<b>District 231 Courses</b>	<b>MVCC Courses</b>	<b>College Credits</b>
Precalculus (AP)	MTH-141 College Algebra Functions	4
Calculus (H)	MTH-150 Calculus I/Analytic Geometry	5
Differential Calculus (AP)	MTH-150 Calculus I/Analytic Geometry	5
Integral Calculus (AP)	MTH-151 Calculus II/Analytic Geometry	5

## ESSENTIAL ALGEBRA - (2 Terms) – 1 credit – Course #307

Prerequisite: Director of Special Education approval

Level: 9

This course includes the study of properties and operations of the real number system; evaluating and simplifying algebraic expressions; solving and graphing solutions of first degree equations and inequalities; translating between verbal and algebraic expressions; translating word problems into equations; operations with and factoring of polynomials; solving quadratic equations; and solving systems of equations. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum. This course follows the College Board Pre-AP framework and is aligned with the Common Core Standards.

## PRE-AP ALGEBRA - (2 Terms) - 1 credits - Course #324P

Calculator recommendation: TI-84

Prerequisites: Appropriate score on 9th grade placement tests

Level: 9

This course introduces students to modeling with mathematics, reasoning abstractly and quantitatively, constructing viable arguments, and critiquing the reasoning of others. Topics include: interpreting the structure of expressions; writing expressions in equivalent forms to solve problems; performing arithmetic operations on polynomials; understanding the relationship between zeros and factors of polynomials; using polynomial identities to solve problems; rewriting rational functions; creating equations that describe numbers or relationships; understanding solving equations as a process of reasoning and explaining the reasoning; solving equations and inequalities in one variable; solving systems of equations; representing and solving equations and inequalities graphically; creating and solving equations, inequalities and systems of equations involving quadratic expressions; comparing characteristics of linear, quadratic and exponential functions; and identifying families of functions, including: linear, quadratic, exponential, absolute value, step and piecewise-defined. This course follows the College Board Pre-AP framework and is aligned with the Common Core State Standards.

PRE-AP ALGEBRA (H) - (2 Terms) – 1 credit - Course #336P

Calculator recommendation: TI-84

Prerequisites: Appropriate score on 9th grade placement tests

Level: 9

This is an accelerated Algebra class for the serious math student who has above average ability in mathematics and a strong work ethic. It is a fast-paced, comprehensive course covering basic to advanced algebra concepts and problem solving. This course introduces students to modeling with mathematics, reasoning abstractly and quantitatively, constructing viable arguments, and critiquing the reasoning of others. Topics include: interpreting the structure of expressions; writing expressions in equivalent forms to solve problems; performing arithmetic operations on polynomials; understanding the relationship between zeros and factors of polynomials; using polynomial identities to solve problems; rewriting rational functions; creating equations that describe numbers or relationships; understanding solving equations as a process of reasoning and explaining the reasoning; solving equations and inequalities in one variable; solving systems of equations; representing and solving equations and inequalities graphically; creating and solving equations, inequalities and systems of equations involving quadratic expressions; comparing characteristics of linear, quadratic and exponential functions; and identifying families of functions, including: linear, quadratic, exponential, absolute value, step and piecewise-defined. Students in this course are expected to apply mathematics in modeling situations and express solutions algebraically, graphically, numerically, and verbally. This course follows the College Board Pre-AP framework and is aligned with the Common Core State Standards.

ESSENTIAL GEOMETRY - (2 Terms) - 1 credit - Course #308

Prerequisites: Essential Algebra and Director of Special Education approval

Level: 10

This course emphasizes a formal approach to the study of geometry. Students are taught deductive methods of reasoning through the study of postulates, theorems, and formal proofs. Topics covered include the study of the properties of plane and solid geometric figures, similarity, congruence, parallelism, perpendicularity and rules of angle measurement in triangles. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum. This course follows the College Board Pre-AP framework and is aligned with the Common Core Standards.

PRE-AP GEOMETRY WITH STATISTICS - (2 Terms) - 1 credit - Course #363P

Calculator recommendation: TI-84

Prerequisites: Pre-AP Algebra

Level: 10

The fundamental purpose of this course is to formalize and extend students' geometric experiences from the middle grades. Students are taught deductive methods of reasoning through the study of postulates, theorems, and formal proofs. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Topics include: understanding congruence in terms of rigid motions; proving geometric theorems; making geometric constructions; understanding similarity in terms of transformations; defining trigonometric ratios and solving problems involving right triangles; applying geometric concepts in modeling situations; explaining volume formulas and using them to solve problems; extending geometric concepts to three dimensions; using coordinates to prove simple geometric theorems algebraically; understanding and applying theorems about circles; and finding arc lengths and areas of sectors of circles. This course follows the College Board Pre-AP framework and is aligned with the Common Core State Standards.

PRE-AP GEOMETRY WITH STATISTICS (H) - (2 Terms) – 1 credit - Course #362P

Calculator recommendation: TI-84

Prerequisites: Pre-AP Algebra H with a grade of “C” or above or department chair approval

Level: 9, 10

This is an accelerated Geometry class for the serious math student who has above average ability and work ethic in mathematics. In this course, geometry is taught as an axiomatic system through the study of postulates, theorems, and formal proofs. Students explore complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Topics include: understanding congruence in terms of rigid motions; proving geometric theorems; making geometric constructions; understanding similarity in terms of transformations; defining trigonometric ratios and solving problems involving right triangles; applying geometric concepts in modeling situations; explaining volume formulas and using them to solve problems; extending geometric concepts to three dimensions; using coordinates to prove simple geometric theorems algebraically; understanding and applying theorems about circles; and finding arc lengths and areas of sectors of circles. This course emphasizes problem solving through modeling with algebra and geometry. This course follows the College Board Pre-AP framework and is aligned with the Common Core State Standards.

ESSENTIAL ALGEBRA 2 - (2 Terms) - 1 credit – Course #309

Prerequisite: Essential Geometry and Director of Special Education approval

Level: 11

This course builds upon the skills addressed in Algebra. Topics include: solving linear and quadratic equations; performing operations with complex numbers and polynomials; modeling with linear, quadratic and exponential functions; performing operations with functions; identifying and applying properties of logarithms; solving exponential equations using properties of logarithms; solving systems of equations (linear and nonlinear); and using probability to evaluate outcomes of decisions. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum. This course follows the College Board Pre-AP framework and is aligned with the Common Core Standards.

PRE-AP ALGEBRA 2 - (2 terms) - 1 credit - Course #365P

Calculator recommendation: TI-84

Prerequisites: Pre-AP Geometry

Level: 11

This course extends students’ repertoire of functions to include polynomial, rational, and radical functions. Students expand their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using properties of logarithms. Topics include: solving linear and quadratic equations; performing operations with complex numbers and polynomials; understanding the relationship between zeros and factors of polynomials; extending the domain of the trigonometric functions using the unit circle; modeling using trigonometric functions; proving and applying trigonometric identities; modeling with functions; constructing and comparing linear, quadratic, and exponential models to solve problems; representing, summarizing, and interpreting data; making inferences and justifying conclusions from sample surveys, experiments and observational studies; using probability to evaluate outcomes of decisions. This course follows the College Board Pre-AP framework and is aligned with the Common Core Standards.

PRE-AP ALGEBRA 2 (H) - (2 terms) - 1 credit - Course #369P

Calculator recommendation: TI-84

Prerequisites: Pre-AP Geometry (H) with a grade of "C" or above or department chair approval

Level: 10, 11, 12

This course is designed for the serious math student who has above average ability and a strong work ethic. The first half of this course extends students' repertoire of functions to include polynomial, rational, and radical functions. Students expand their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using properties of logarithms. The second half of this course combines the study of elementary functions, analytic geometry, and trigonometry topics as preparation for Calculus. Topics include: quadratic, logarithmic, exponential, rational, right trigonometric and circular functions; graphs of functions and their inverses; solving higher order equations; conics; vectors; polar coordinate system; trigonometric identities and equations; matrix algebra; sequences and series; limits and continuity. This course follows the College Board Pre-AP framework and is aligned with the Common Core Standards.

PRECALCULUS - (1 term) - 1 credit - Course #360

Calculator recommendation: TI-84

Prerequisites: Pre-AP Algebra 2 with a grade of "C" or above

Level: 12

This course is designed for senior level math students with average or above average math ability. This course combines the study of elementary functions, analytic geometry, and trigonometry topics as preparation for Calculus. Topics include: logarithmic, exponential, rational, right trigonometric and circular functions; graphs of functions and their inverses; solving higher order equations; conics; vectors; polar coordinate system; trigonometric identities and equations; mathematical induction; matrix algebra; sequences and series; limits and continuity.

PRECALCULUS (AP) - (1 term) - 1 credit - Course #370 - NEW COURSE

*NOTE: Students taking this course have the option to earn Dual Credit through Moraine Valley Community College for MTH-141 College Algebra Functions. If choosing the dual enrollment option, an "A", "B", or "C" must be earned in the class to receive college credit and an additional fee is required.*

Calculator recommendation: TI-84

Prerequisites: Pre-AP Algebra 2 with a grade of "B" or above & division chair recommendation

Level: 12

This course is designed for a highly motivated senior level math student. Students will cover four main units of study including the following: Polynomial and Rational Functions, Exponential and Log Functions, Trig and Polar Functions, and Parametric, Vectors, and Matrices. This class will move at a rapid and accelerated pace. Additionally, spring AP study sessions will be required.

CALCULUS (H) - (1 term) - 1 credit - Course #359

*NOTE: Students taking this course have the option to earn Dual Credit through Moraine Valley Community College for MTH-150 Calculus I/Analytic Geometry. If choosing the dual enrollment option, an "A", "B", or "C" must be earned in the class to receive college credit and an additional fee is required.*

Calculator recommendation: TI 84

Prerequisites: Pre-AP Algebra 2 (H) or Precalculus (AP) with a grade of "C" or above or department chair approval

Level: 12

This course is designed for the college-bound student with an interest and ability in advanced mathematics and a strong work ethic. Topics covered include limits, continuity, the derivative, applications of differentiation, curve sketching, anti-differentiation and the definite integral. These topics are applied to polynomial, radical, rational, logarithmic, exponential, trigonometric and hyperbolic functions.

DIFFERENTIAL CALCULUS (AP) – (1 Term) – 1 credit – Course #342

*NOTE: Students taking this course have the option to earn Dual Credit through Moraine Valley Community College for MTH-150 Calculus I/Analytic Geometry. If choosing the dual enrollment option, an "A", "B", or "C" must be earned in the class to receive college credit and an additional fee is required.*

Calculator recommendation: TI-84

Prerequisites: Pre-AP Algebra 2 (H) with a grade of "C" or above or department chair approval

Level: 11, 12

This is the first part of a full year AP Calculus course. This course follows the College Board's Advanced Placement curriculum and is extremely rigorous and fast paced. This course is designed for the college-bound student with an interest and ability in advanced mathematics and a strong work ethic. AP students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.) **Students wishing to take the Advanced Placement Calculus exam should enroll for both this course AND Integral Calculus (AP).**

Topics in this course include limits, continuity, derivatives, applications of differentiation, curve sketching, anti-differentiation and the definite integral. These topics are applied to polynomial, radical, rational, logarithmic, exponential, trigonometric, and hyperbolic functions.

INTEGRAL CALCULUS (AP) – (1 Term) – 1 credit – Course #343

*NOTE: Students taking this course have the option to earn Dual Credit through Moraine Valley Community College for MTH-151 Calculus II/Analytic Geometry if they have already earned credit for MTH-150. If choosing the dual enrollment option, an "A", "B", or "C" must be earned in the class to receive college credit and an additional fee is required.*

Calculator recommendation: TI-84

Prerequisites: Differential Calculus (AP) with a grade of "C" or above or department chair approval

Level: 11, 12

This is the second part of a full year AP Calculus course. This course follows the College Board's Advanced Placement curriculum and is extremely rigorous and fast paced. This course is designed for the college-bound student with an interest and ability in advanced mathematics and a strong work ethic. AP students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.) **Students wishing to take the Advanced Placement Calculus exam should enroll for both this course AND Differential Calculus (AP).**

Topics in this course include applications of the integral, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, polar coordinates and parametric equations.

STATISTICS (AP) – (2 terms) –1 credit – Course #367(T1) & 368(T2)

Calculator recommendation: TI-84

Prerequisites: Successful completion of Calculus (AP) (2 term course)  
with a grade of "B" or above or department chair approval

Level: 12

This is an independent study course and is for the serious college-bound student with above average ability in math and a strong work ethic. It is to be taken after the successful completion of the two-term calculus sequence. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. A textbook companion website and graphing calculator will be used extensively throughout the course. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

COLLEGE AND CAREER EXPLORATION – (1 Term) – 1 credit – Course #361

Prerequisite: Successful completion of Pre-AP Algebra 2

Level: 12

This course is designed to create a culture focused on intellectual development and provide additional academic help in math and writing, in order to enhance college readiness skills. Students will enhance mathematical reasoning and communication skills through problem solving, critical thinking, and data analysis. They will develop transitioning skills necessary to meet the challenges of the college environment. Workshops and extensive career exploration opportunities will be provided.

Any student who receives a grade of A, B or C is eligible to enroll in a college level math course at any Illinois community college (and many universities) without any further placement test or other prerequisite requirement, provided the enrollment occurs within 18 months of the completion of this course.

MATH DEPARTMENT AIDE – (1 Term) – 1 credit – Course #904

Prerequisites: Department chair approval

Level: 12

The Math Department offers qualified students the opportunity to become department aides. An aide may act as a teaching assistant, help with preparation of class activities, assist with technology or perform general duties as assigned. The Math Department aide position is an elective and will not be counted as credit toward completion of Math requirements.

# MUSIC DEPARTMENT

## INSTRUMENTAL MUSIC

Students enrolling for band should select one of the following three courses based on student ability and experience.

### BEGINNING BAND - (1 Term) – 1 credit - Course #649

Prerequisites: None

Level: 9, 10, 11, 12

This course is designed to provide any student an opportunity to learn or improve basic skills on a musical instrument used in band. The class will also accommodate a student that wishes to “double” or learn another instrument, or just “brush up” on their skills. An instrument is required for this course; rental agreements will be provided if a school-owned instrument is not available. The Beginning Band will play with the Concert Band at games and concerts to enhance their performance experience. At the conclusion of the class, the students should be ready to participate in Term II Concert Band class. (Beginning band students will receive ½ credit for concert band 2<sup>nd</sup> term if they enroll in the same year.)

### PRE-AP PERCUSSION PERFORMANCE - O Hour - (2 Terms) -1 credit - Course #644P

Prerequisites: Audition Required

Level: 9, 10, 11, 12

This course is designed to provide percussion students the opportunity to learn and improve basic skills in the field of percussion and percussion performance. Members of this class are automatically the Concert Band’s percussion section. The class includes snare drum, mallets, tympani, drum set, hand percussion, drumline and percussion accessory techniques. The performance part of the class includes percussion ensemble literature, band concerts, and contests, drumline cadences, and drum circles. The end of the class starts the audition process for the marching drumline in April. Participation in spring concerts, IHSA events, and various percussion contests and clinics are required. Attendance at summer camp is REQUIRED for this course and will be counted toward Term 1 grades. A stick bag, drum key, and basic mallets and sticks are required. Students in Percussion Performance are required to purchase black drillmaster marching shoes, a Class “B” summer uniform (shorts and t-shirt, poncho) as well as tuxedo shirts and ties. Formal dresses & tuxedos are provided. (Course may be repeated.) This course follows the College Board Pre-AP framework and is aligned with the Illinois Fine Arts Standards.

### PRE-AP CONCERT BAND - O Hour - (2 Terms) - 1 credit - Course #643P

Prerequisites: Beginning Band or audition required or previous experience in a Middle School/Junior High program.

Level: 9, 10, 11, 12

This course is designed to provide any student an opportunity to learn and improve basic skills on a musical instrument. Candidates for this class should have one year or more experience on a band instrument. An instrument is required for this course; rental agreements will be provided if a school-owned instrument is not available. The director reserves the right to approve instrument choice to reflect instrumentation needs.

Participation in the winter and spring concerts and graduation are considered an extension of the classroom and are required. The school and the Music Department also expect students to participate in marching band performances, IHSA Solo and Ensemble and Organizational



Contests, selected pep band performances, and special appearances. Attendance at summer camp is REQUIRED for this course and will be counted toward Term I grades. Students in Concert Band are required to purchase black drillmaster marching shoes, a Class "B" summer uniform (shorts and t-shirt, poncho) as well as tuxedo shirts and ties. Formal dresses and tuxedos are provided. Students are responsible for purchasing their own reeds, and everyday equipment. (Course may be repeated.) This course follows the College Board Pre-AP framework and is aligned with the Illinois Fine Arts Standards.

PRE-AP SYMPHONIC WIND ENSEMBLE - O Hour - (2 Terms) -1 credit - Course #679P

Prerequisites: A minimum of 2 terms in Pre-AP Concert Band

Level: 10, 11, 12

These courses are more rigorous and designed for upper level musicians who want to prepare for continuation of music study in college. Music "artistry" and college audition preparation are stressed. In addition, members must complete the following:

1. Study privately with an approved teacher
2. Prepare and audition for ILMEA Band and IHSA solo ensemble
3. Prepare for college audition through solo and etude studies and evaluation
4. Complete a music theory component as assigned by instructor
5. Complete the SWE requirement form found in the course syllabus

Participation in the winter and spring concerts, as well as graduation, are considered an extension of the classroom and are required. The school and the Music Department also expect students to participate in marching band performances, IHSA Solo and Ensemble and Organizational Contests, as well as IMEA Auditions. Attendance at summer camp is REQUIRED for this course and will be counted toward Term 1 grades. Students in Concert Band are required to purchase black drillmaster marching shoes, a Class "B" summer uniform (shorts and t-shirt, poncho) as well as tuxedo shirts and ties. Formal dresses and tuxedos are provided. Students are responsible for purchasing their own reeds, and everyday equipment. (Course may be repeated.) This course follows the College Board Pre-AP framework and is aligned with the Illinois Fine Arts Standards.

PRE-AP SYMPHONIC WIND ENSEMBLE (H) - O Hour (2 Terms) - 1 credit - Course #680P

Prerequisites: Completion of Pre-AP Symphonic Wind Ensemble (Course #679P) with a grade of "B" or above

Level: 12

This class provides the college-bound music student a head start on preparation for college auditions and entrance exams. All Pre-AP Symphonic Wind Honors students must be responsible for Pre-AP Concert Band requirements. In addition, students must:

1. Complete Requirements 1-5 listed for Pre-AP Symphonic Wind Ensemble above
2. Report on 3 cultural events per term
3. Play all major/minor scales two octaves by memory
4. Keep a music portfolio
5. Complete a music theory component as assigned by instructor

Attendance at summer camp is REQUIRED for this course and will be counted toward Term 1 grades. Students in Pre-AP Concert Band are required to purchase black drill master marching shoes, a Class "B" summer uniform (shorts and t-shirt, poncho) as well as tuxedo shirts and ties. Formal dresses and tuxedos are provided. Students are responsible for purchasing their own reeds, and everyday equipment. This course follows the College Board Pre-AP framework and is aligned with the Illinois Fine Arts Standards.

COLOR GUARD - O Hour 7:10 -8:20 a.m. (1/2 Term) – 1/4 credit – Course #681

Level: 9, 10, 11, 12

Prerequisite: Audition required in term 2 of the school year and consent of instructor

This course provides training in the coordination of different styles of dance with equipment work, including flag, rifle, and sabre. During football season, the group performs to live music with the marching band at each home football game and shares the band's competition schedule. Performances include school assemblies, indoor competitions, and community events. Attendance at summer camp is REQUIRED for this course and will be counted toward Term 1 grades. Students will need to purchase performance shoes and other uniform pieces for this course. Most performances take place outside the school day and are required. Optional travel opportunities are also available with this organization.

## **JAZZ INSTRUMENTAL MUSIC**

JAZZ ENSEMBLE - (1 Term) - 1 credit - Course #656

Prerequisites: Students must be enrolled in Beginning/Concert Band, Symphonic Wind Ensemble, or Symphonic Wind Ensemble Honors

Level: 9, 10, 11, 12

Jazz Ensemble is for band students who wish to develop jazz technique by playing in a big band setting. Jazz Ensemble instrumentation includes trumpets, trombones, saxophones, piano, bass guitar, vibraphone, drums, and percussion. Emphasis will be placed on style, interpretation, articulation, and performance literature. Improvisation and jazz notation will also be introduced.

The school and the Music Department expect the students to participate in various high school and college contests and school programs. The class will also help prepare interested students for the ILMEA District Auditions for possible All State selection.

## **VOCAL MUSIC**

PRE-AP MIXED CHORUS\* - (1 Term) - 1 credit – Course #682P

Prerequisites: None (No audition required)

Level: 9, 10

Open to all students; no experience necessary. Members of this ensemble will learn music fundamentals while singing light repertoire from the Pop, Jazz, Folk, and Musical Theatre genres. Students will study basic vocal technique, performance skills, and will learn to read music.

Performance in the Winter and Spring Concerts, as well as the Musical Theatre Concert, are considered extensions of the curriculum and are required. Some additional performance time outside of class may be required as part of the curriculum. Examples of additional required performances may include participation in conferences and other music festivals, contests, and other performances. All concert repertoire is performed by memory, which is part of the grade.

Girls in Pre-AP Mixed Chorus are required to purchase black, close-toed dress shoes. Formals are provided. Boys are required to purchase black dress shoes and socks, as well as tuxedo shirts and ties. Tuxedos are provided. This course follows the College Board Pre-AP framework and is aligned with the Illinois Fine Arts Standards.

PRE-AP CONCERT CHOIR\* - (1 Term) - 1 credit – Course #669P

Prerequisites: None (No audition required)

Level: 10, 11, 12

Open to all students; no experience necessary. This ensemble performs a wide range of music from such varied genres as Classical, Popular, Jazz, and Musical Theatre. Students will learn advanced vocal and musicianship skills through ensemble singing. Students will master music proficiencies in basic sight reading, part-singing, and music fundamentals.

Performance in the Winter and Spring Concerts, as well as the Musical Theatre Concert, are considered extensions of the curriculum and are required. Additional performance requirements include the IHSA Organization Contest, conference music festivals, additional scheduled concerts and contests. All concert repertoire is performed by memory, which is part of the grade.

Pre-AP Concert Choir students will have the opportunity to participate in the IHSA Solo & Ensemble Contest and to audition for the IMEA All-District and All-State Festivals.

Girls in Pre-AP Concert Choir are required to purchase black, close-toed dress shoes. Formals are provided. Boys are required to purchase black dress shoes and socks, as well as tuxedo shirts and ties. Tuxedos are provided. This course follows the College Board Pre-AP framework and is aligned with the Illinois Fine Arts Standards.

PRE-AP A CAPPELLA/CONCERT CHOIR - (1 Term) - 1 credit – Course #672P

Prerequisites: Audition and permission of instructor

Level: 10, 11, 12

Open to all serious vocal music students by competitive audition and with permission of the instructor. Together with Pre-AP A cappella Honors, this forms the EPCHS Madrigal and "Unaccompanied Minors". The course requires a considerable amount of outside performance time and a full-year commitment to this performance ensemble. Requirements include sight-singing, interval singing, and highly developed auditory skills.

Correct vocal development and musical interpretation are strongly emphasized. In addition to mastering all concert choir skills tests, students are required to complete advanced vocal and music theory mastery tests throughout each semester. Each student must complete solo and ensemble vocal performances.

Repertoire: a cappella music of all genres, ranging from Renaissance madrigals to jazz and pop.

Although numerous performances and rehearsals occur outside of the regular school day, these activities are required. Absences from any of these activities will affect the grade.

Participation in the winter Madrigal Feaste and the winter and spring concerts are considered an extension of the classroom and are required. The school and the Music Department also requires students to participate in IHSA Solo and Ensemble Contest, IHSA Organization Contest, All-District auditions, All-State and All-District festivals, All-Conference festival, and other numerous performance opportunities. This course follows the College Board Pre-AP framework and is aligned with the Illinois Fine Arts Standards.

PRE-AP A CAPPELLA/CONCERT CHOIR (H) - (1 Term) - 1 credit – Course #675P

Prerequisites: Completion of Term 1 Pre-AP A Cappella (Course #672) with a grade of "B" or above

Level: 12

Open to all serious vocal music students. The course requires a considerable amount of outside performance time and a full-year commitment to this performance ensemble. Requirements include sight-singing, interval singing, and highly developed auditory skills.

Correct vocal development and musical interpretation are strongly emphasized. In addition to mastering all concert choir skills tests, Honors A cappella students are required to complete advanced vocal and music theory mastery tests throughout each semester beyond the levels required by other A cappella students.

Students must demonstrate mastery of sight reading and tonal skills including interval training and interval discrimination through performance examinations given each term. Students will also be tested on composition form and analysis.

A cappella Honors students are expected to demonstrate ensemble leadership in both Madrigals and Concert Choir. They lead sectionals, mentor new singers, coach languages, and fill any leadership roles needed throughout the year.

Pre-AP A cappella Honors students must purchase performance shoes. Costumes are provided. Repertoire: a cappella music of all genres, ranging from Renaissance madrigals to jazz and pop.

Although numerous performances and rehearsals occur outside of the regular school day, these activities are graded. Absences from any of these activities will affect the grade.

Participation in the winter Madrigal Feaste and winter and spring concerts are considered an extension of the classroom and are required. The school and the Music Department also require students to participate in IHSA Solo and Ensemble Contest, IHSA Organization Contest, All-District auditions, All-State and All-District festivals, All-Conference festival, and other numerous performance opportunities.

Honors students are also required to complete a composition project, attend a series of concerts and write reviews, and research a composer of their choice. This course follows the College Board Pre-AP framework and is aligned with the Illinois Fine Arts Standards.

LUNCH CHOIR - (Term One) – 1/4 credit – Course #677

LUNCH CHOIR – (Term Two) – 1/4 credit – Course #678

Prerequisites: None

Level: 9, 10, 11, 12 (Course may be repeated)

*\*NOTE: If a student is registered for Pre-AP Mixed Chorus, Pre-AP Concert Choir, Pre-AP A Cappella, or Pre-AP A Cappella Honors for only one term, they should sign up for lunch choir for the other term.*

This course is designed for students who like to sing but do not have room in their schedule for choir. Students in this course eat lunch in the choir room every day and rehearse and perform with the Concert Choir. This ensemble performs a wide range of music from such varied genres as Classical, Popular, Jazz, and Musical Theatre. The Concert Choir also performs extended major works and montages. Students will learn advanced vocal and musicianship skills through

ensemble singing. Students will master music proficiencies in basic sight reading, part-singing, and music fundamentals.

Performance in the Winter and Spring Concerts, as well as the Musical Theatre Concert, are considered extensions of the curriculum and are required. Additional performance requirements include the IHSA Organization Contest, conference music festivals, additional scheduled concerts and contests. All concert repertoire is performed by memory, which is part of the grade.

Girls in Pre-AP Concert Choir are required to purchase black, close-toed dress shoes. Formals are provided. Boys are required to purchase black dress shoes and socks, as well as tuxedo shirts and ties. Tuxedos are provided.

## **GENERAL MUSIC**

### ROCK BAND – (1 Term) – 1 credit – Course #648

Prerequisite: None

Level: 9, 10, 11, 12

This course is open to ANY student who enjoys popular music. Students will study modern popular music using two approaches. First, students will listen and discuss recorded music and concerts. The second is a hands-on approach in which the students will have an opportunity to play and learn about the following basic popular musical instruments: beginning piano, beginning guitar, beginning bass guitar, beginning drum set & percussion. Electronic music techniques including computer music and recording and sound design will also be included. By the end of the class, students will learn and perform songs as a class and could be placed in smaller groups based on previous knowledge and skill level. It is advantageous for the student to provide their own instrument, but school instruments are available.

### ROCK BAND II/JAZZ COMBO - (1 Term) - 1 credit - Course #645

Prerequisites: Completion of Rock Band or consent of instructor.

Level: 9, 10, 11, 12

Rock Band II/Jazz Combo will include the advanced study of the rock and jazz idioms and techniques. The course stresses lead sheet reading, history, theory, and listening examples from the rock and jazz greats. The course is an ensemble type class. Students will play in various bands and combos and play “gigs” for various school and community events. These opportunities lead to the development of solo and improvisational skills. Improvising strategies and technique will also be explored during the class. Students will read from both charted and sheet music books and arrange music best suited for the instrumentation. Students will also be encouraged to use their own listening skills to play by “ear”. Students should have their own instrument for practice purposes.

The school and the Music Department expect the students to participate in various high school and college festivals, selected basketball games, All-State/District jazz auditions, and numerous special appearances promoting the school and the music department.

WORLD MUSIC - (1 Term) - 1 credit - Course #646

Prerequisite: None

Level: 9, 10, 11, 12

Experience the world through music! Students will learn about, listen to, and perform music from other cultures. They will explore the ways in which music is an integral part of a society's culture. The music of Africa, Asia, Central America, South America, and Australia will be introduced through various forms of media. Students do NOT need to have any musical background or performance experience to take this course. All materials will be provided.

MUSIC THEORY (AP) – (1 Term) – 1 credit- Course #647

Prerequisite: None

Level: 10, 11, 12

Music Theory (AP) integrates the aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and to some extent history and style. Musicianship skills such as dictation, sight – singing and keyboard harmony are considered an important part of the theory course. The student's ability to read and write musical notation is fundamental to this course. It is strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument. The ultimate goal for this course is to develop the abilities to recognize, understand and describe the basic processes of music that are heard or presented in a score. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

MUSIC DEPARTMENT AIDE – (1 Term) – 1 credit - Course #919

Prerequisite: Consent of Instructor

Level: 12

A music department aide will learn the non-musical roles of the music educator. They will assist with library and uniform management, program construction and publicity, equipment management, setup and takedown of concerts, and other responsibilities related to the musical ensembles in the school.

# PHYSICAL EDUCATION AND HEALTH

## FRESHMAN PHYSICAL EDUCATION - (0.5 Term) 0.5 credit - Course #401A

Freshman PE will be a 9-week course set to improve the five components of fitness. These components are muscular strength, flexibility, muscular endurance, cardio-respiratory, and body composition. Students will also participate in team sports components to help develop a plan for life-long fitness and recreation activities.

## HEALTH - (0.5 Term) 0.5 credit - Course #401B

This course is for all freshmen students, as well as any student who has not yet taken or passed health. It is designed to develop the necessary understanding and skills to enhance their performance in physical activities and their decisions regarding health and wellness. Topics will include nutrition, wellness, substance abuse, and creating positive relationships. Students are required to pass this course to meet state mandated and graduation requirements.

## SOPHOMORE PHYSICAL EDUCATION - (0.5 Term) 0.5 credit - Course #402B

Sophomore PE will be a 9-week course set to improve the five components of fitness. These components are muscular strength, flexibility, muscular endurance, cardio-respiratory, and body composition. Students will also participate in team and individual sports components to help develop a plan for life-long fitness and recreation activities.

## DRIVER'S EDUCATION - (0.5 Term) 0.5 credit - Course #402A

This course is for all sophomore students. This course will cover the Illinois State Board of Education approved Driver's Education curriculum. This will be in alignment with the standards that students will need to pass the Illinois Department of Motor Vehicles driver's licensure exam. Students can get their driver's permit by successfully passing the permit exam during this course. Additional hours of behind the wheel training will be needed for a driver's license. Students are required to take this course to meet state mandated and graduation requirements.

## JUNIOR/SENIOR PHYSICAL EDUCATION - (1 Term) - 1 credit – Course #406

Students participate in various activities such as swimming, basketball, weight training, floor hockey, and softball. Students' grades will be based upon class participation, written assignments, and quizzes/tests.

## JUNIOR LEADERSHIP PROGRAM - (1 Term) - 1 credit – Course #407

Prerequisite: Department chair approval

Junior leadership is limited to those juniors who have applied by the designated date and have been accepted into the program. Applicants must have at least a 2.00 GPA, have a good attendance and discipline record, and have demonstrated leadership qualities. This course is a two-year commitment as it is designed to prepare the student for senior leadership responsibilities the following year. This preparation is accomplished by developing the skills necessary for analyzing skill development, officiating games, administering fitness and skill tests, assisting and leading students in safe class activity, aiding the teacher and lifeguard training (proper pool lifesaving techniques, including CPR and AED Training). In order to develop necessary skills, students will participate in a variety of activities, including individual and team sports, swimming, recreational games and fitness activities. Students will demonstrate their learned skills on a continual basis throughout the course by completing tasks and assignments as directed by the teacher. In addition, students will evaluate their personal wellness, set goals, and design a wellness plan which incorporates activities learned and reflects a healthy lifestyle. Attendance and discipline will be evaluated throughout participation in the junior and senior leadership program. Students will be dropped if discipline issues arise.

SENIOR LEADERSHIP PROGRAM - (1 Term) - 1 credit – Course #410

Prerequisite: Grade of “B” or above in Junior Leadership

The students will be divided up into other PE classes and become the leaders of these classes. They will help with organization of equipment, teaching of skills, individual lessons, help in officiating games, and lifeguard for classes who are participating in swim units. Other duties may be assigned by their cooperating teachers.

STRENGTH AND CONDITIONING - (1 Term) - 1 credit- Course #409

Prerequisite: \*Completion of Health and Driver Education prior to start of sophomore year

Level: 10\*, 11, 12

\*Sophomore enrollment will be at the recommendation of the department chair.

This strength and conditioning class is designed to meet the individual needs of students who wish to physically improve their fitness level for various sports and fitness related activities. Free weights and conditioning activities will be incorporated to facilitate improvement in strength, endurance, balance, agility, and speed. A diverse range of strength and conditioning methods will be used including, speed development, strength training, core work, Olympic lifts, plyometrics, variable resistance and cross fitness. In addition students will learn proper nutrition strategies.

In this class, students will be led through a series of athletic enhancement movements, skills, and drills to improve one’s overall athletic abilities. Students will also keep an accurate workout log on their iPad.

FIT FOR LIFE - (1 term) – 1 credit – Course #412

Prerequisite: \*Completion of Health and Driver Education prior to start of sophomore year

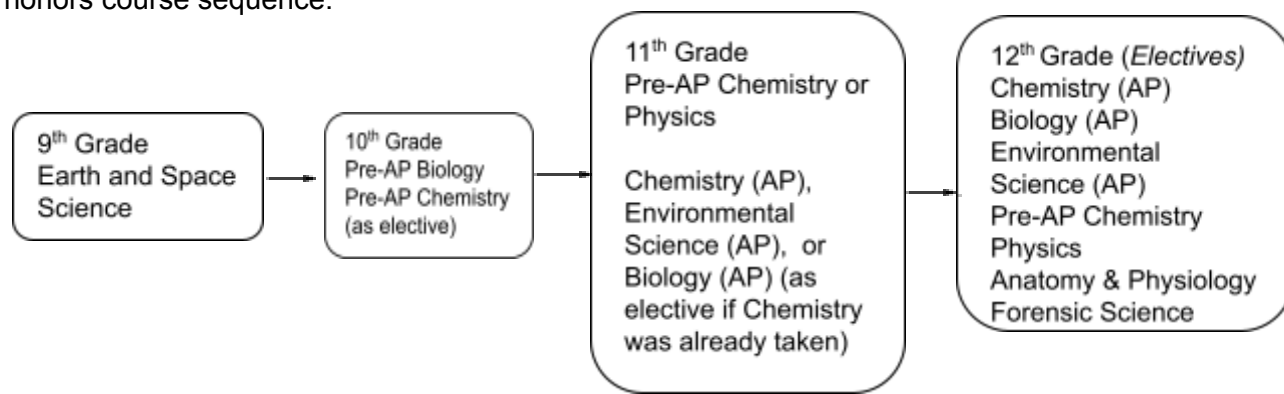
Level: 10\*, 11, 12

This class is designed for students who are interested in learning the basics of strength training, alternative ways of exercise, nutrition and exercise strategies to become fit for life. Students enrolled in this course will be exposed to a wide variety of non-competitive individual and group exercises. This class is designed to have students participate in various intensity exercises everyday. Students will also set fitness goals based on initial fitness levels and create individualized fitness plans, they will execute throughout this course. Students will complete fitness projects based on various lifts, movements, and exercises. Unit topics include weightlifting, Cross-fit, HITT, yoga, kickboxing, Pilates, aqua fitness, and interval training.

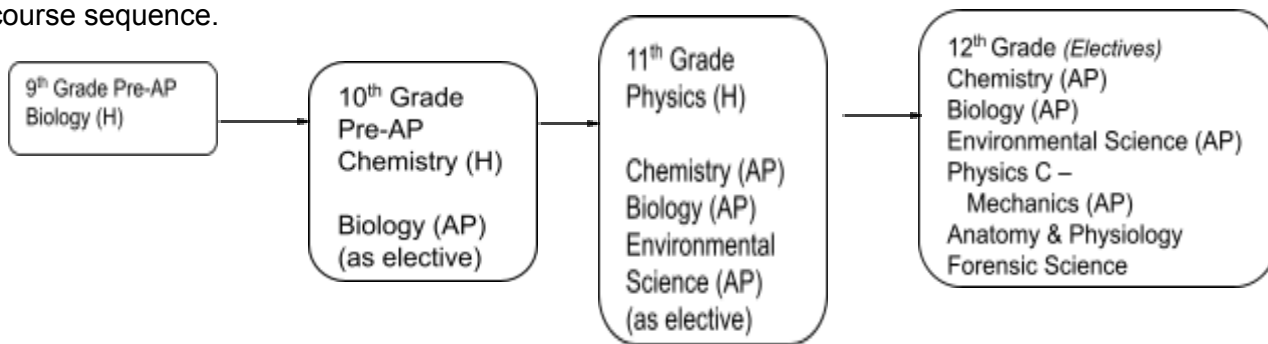


# SCIENCE DEPARTMENT COURSES

This flowchart addresses science progression for all students except those in the science honors course sequence.



This flowchart addresses the science progression for those students in the science honors course sequence.



Placement scores and teacher recommendation will be used for freshman student placement.

Students in the non-honors science course sequencing must successfully complete three science requirements for graduation. These requirements must also be met before registering for other science course electives (see flowchart). Presently, three credits in science are required for graduation for those students following the honors course sequencing (see flowchart). However, a four credit requirement is highly recommended. All science courses are laboratory based. Prior to the selection of their courses, students should study the course descriptions and discuss their choices with their parents, science instructor, and counselor.

***\*For all prerequisites not listed, see science sequence\****

### ESSENTIAL EARTH AND SPACE SCIENCE - (1 Term) - 1 credit - Course #211

Prerequisite: Director of Special Education approval

Level: 9

The students will be exposed to an expanded curriculum as it relates specifically to the studies of the Earth, rocks, oceans, and weather. The sun, planets, moons, stars, and other celestial bodies will be studied in greater detail. Energy resources, environmental quality, and resource management will also be covered. Science activities will be based on the Next Generation Science Standards (NGSS) Framework and will apply the skills and techniques outlined in the Science and Engineering Practices of the Content Standards. The topics that will be covered will be taught at the students' academic levels through the differentiation of instructional strategies and materials. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum.

### EARTH AND SPACE SCIENCE - (1 Term) - 1 credit – Course #232

Prerequisites: Appropriate Score on 9<sup>th</sup> grade placement test

Level: 9

Earth and Space Science is a laboratory-based approach to the Next Generation Science Standards (NGSS) high school Earth Science Content Standards. Students will spend their class time engaged in hands-on activities. Introductory principles of astronomy and Earth sciences will be explored, including the solar system, cosmology, plate tectonics, energy, biogeochemical cycles, the atmosphere, and geology. Constructivist methods of teaching are employed to ensure the best possible comprehension and retention of science concepts. Science activities will be based on the Next Generation Science Standards (NGSS) Framework and will apply the skills and techniques outlined in the Science and Engineering Practices of the Content Standards.

### ESSENTIAL BIOLOGY - (1 Term) - 1 credit – Course #212

Prerequisites: Completion of Essential Earth & Space Science and Director of Special Education Approval

Level: 10

Essential Biology will follow the Pre-AP Biology framework, which sparks student motivation and critical thinking about our living world as they engage in real-world data analysis and problem-solving. The Pre-AP Biology course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. Having this ability is one of the hallmarks of scientific literacy and is critical for numerous college and career endeavors in science and the social sciences. This course focuses on the topics of Ecological Systems, Evolution, Cellular Systems, and Genetics. This course will be differentiated to meet the needs of the individual educational plan and the learner. This course follows the College Board Pre-AP framework and aligns with the Next Generation Science Standards (NGSS).

### PRE-AP BIOLOGY - (1 Term) - 1 credit – Course #230P

Level: 10

Pre-AP Biology will follow the Pre-AP Biology framework, which sparks student motivation and critical thinking about our living world as they engage in real-world data analysis and problem-solving. The Pre-AP Biology course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. Having this ability is one of the hallmarks of scientific literacy and is critical for numerous college and career endeavors in science and the social sciences. This course focuses on the topics of Ecological Systems, Evolution, Cellular Systems, and Genetics. This course will give

students a hands-on lab based approach to learning and AP style questioning and assessments. This course follows the College Board Pre-AP framework and aligns with the Next Generation Science Standards (NGSS).

PRE-AP BIOLOGY (H) - (1 Term) - 1 credit – Course #231P

Prerequisite: Appropriate score on 9th grade placement test  
Level: 9, 10

Pre-AP Biology will follow the Pre-AP Biology framework, which sparks student motivation and critical thinking about our living world as they engage in real-world data analysis and problem-solving. The Pre-AP Biology course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. Having this ability is one of the hallmarks of scientific literacy and is critical for numerous college and career endeavors in science and the social sciences. This course focuses on the topics of Ecological Systems, Evolution, Cellular Systems, and Genetics. This course will give students a hands-on lab based approach to learning and AP style questioning and assessments. Additional research and projects based on topics will also be required. This course follows the College Board Pre-AP framework and aligns with the Next Generation Science Standards (NGSS).

PRE-AP CHEMISTRY - (1 Term) - 1 credit – Course #233P - NEW COURSE

Level: 10, 11, 12

Pre-AP Chemistry will follow the structure of the Pre-AP Chemistry curriculum. In this course students develop a deep conceptual understanding of matter and energy at the molecular level as they learn to explain their macroscopic observations using particulate-level reasoning. As students engage in grade-level content, they utilize scientific reasoning skills needed to analyze the natural world—and to succeed in future science and social science courses in high school and college. Students will take College Board exams and Unit Checkpoints to familiarize themselves with the AP structure.

PRE-AP CHEMISTRY (H) – (1 Term) – 1 credit – Course #238P - NEW COURSE

Prerequisites: Grade of “C” or above in Pre-AP Biology Honors plus a grade of “B” or above in Pre-AP Algebra or “C” or above in Pre-AP Algebra Honors

Level: 10, 11

Honors Pre-AP Chemistry will follow the structure of the Pre-AP Chemistry curriculum. In this course students develop a deep conceptual understanding of matter and energy at the molecular level as they learn to explain their macroscopic observations using particulate-level reasoning. As students engage in grade-level content, they utilize scientific reasoning skills needed to analyze the natural world—and to succeed in future science and social science courses in high school and college. Students will take College Board exams and Unit Checkpoints to familiarize themselves with the AP structure. A large component of this course will be laboratory based. Additional research into current issues will be required.

ESSENTIAL INTEGRATED CHEMISTRY/PHYSICS - (1 Term) - 1 credit- Course #213

Prerequisite: Essential Biology and Essential Earth and Space Science  
and Director of Special Education approval

Level: 11

This course, which is aligned with the Physical Science Standards of the Next Generation Science Standards (NGSS) Framework, will offer an introduction to chemistry and physics, and will emphasize the key components of each of its fundamental elements. This essential level course will explore chemistry and physics topics in the context of everyday life. Some content is mathematical in nature. The topics that will be covered will be taught at the students' academic levels through the differentiation of instructional strategies and materials. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum.

BIOLOGY (AP) – (1 Term) – 1 credit – Course #246

Prerequisites: Pre-AP Biology (H) and Chemistry (H) (concurrent or passed)  
or Pre-AP Biology and Chemistry with passing grades

Level: 10, 11, 12

AP Biology is a college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes - energy and communication, genetics, information transfer, ecology, and interactions. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

CHEMISTRY (AP) - (1 Term) - 1 credit – Course #245

Prerequisites: Successful completion of Science Department required courses,  
or currently enrolled in Physics (H). The student must also have  
achieved a grade of “C “or above in Chemistry (H) or a grade of  
“B” or above in Chemistry or department chair approval.

Level: 11, 12

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

ENVIRONMENTAL SCIENCE (AP) - (1 Term) - 1 credit - Course #247

Prerequisites: Successful completion of Science Department required courses,  
or currently enrolled in Physics (H), Chemistry, or Physics.

Level: 11, 12

The AP Environmental Science course outlined in this framework reflects learning that analyzes environmental concepts and processes to achieve understanding in order to propose and justify solutions to environmental problems. The course teaches students how to apply science to the solutions of important social problems. It also provides opportunities to practice applying scientific methods to practical, real-life problems. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

PHYSICS - (1 Term) - 1 credit – Course #235

Level: 11, 12

Physics is a course that is aligned with the Physical Science Standards of the Next Generation Science Standards (NGSS) Framework. The course emphasizes mathematical problem solving based on lab-based observations. Students will demonstrate and deepen their understanding of basic knowledge and skills through solving problems, communicating, using technology, working on teams, and making connections. The academic content areas will include topics of dynamics, kinematics, and energy. Laboratory work and preparation outside of class are required in this course.

PHYSICS (H) - (1 Term) - 1 credit- Course #241

Prerequisites: Achieved grade of “C” or above in both Pre-AP Biology (H) and Chemistry Honors. Additionally, the student must have achieved a grade of “B” or above in Pre-AP Algebra and Geometry or higher level math courses.

Level: 11, 12

This honors physics course is intended to be a mathematically and intellectually rigorous course that is aligned with the Physical Science Standards of the Next Generation Science Standards (NGSS) Framework. Students will demonstrate and deepen their understanding of basic knowledge and skills through solving problems, communicating, using technology, working on teams, and making connections. The topics covered in this physics honors class addresses that intent. The academic content areas will include kinematics, dynamics, energy and momentum. A portion of this course will be laboratory based.

PHYSICS C–MECHANICS (AP) - (1 Term) -1 credit- Course #236

ELECTIVE

Prerequisites: Successful completion of Science Department sequence.  
Completion or concurrent enrollment in Calculus.

Level: 12

AP Physics is a course with a problem solving approach utilizing advanced mathematics to explore college level physics concepts. It will reinforce, build upon and apply concepts that were taught in previous science courses. The goal is for students to become more proficient in critical thinking and problem solving. Students may receive college credit by qualifying on an examination administered by the college entrance examination board. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

ANATOMY AND PHYSIOLOGY - (1 Term) - 1 credit – Course #239

ELECTIVE

Prerequisites: Successful completion of Science Department sequence.

Level: 11, 12

Anatomy and Physiology explores the human body. It is an adventure that investigates the structure and function of the ten physiological systems from cellular life through the complex organ systems of vertebrate animals. The laboratory dissections and investigations will demonstrate the relationship between structure and function.

FORENSIC SCIENCE - (1 Term) - 1 Credit - Course #253

ELECTIVE

Prerequisites: Successful completion of Science Department sequence  
which must include Chemistry.

Level: 12

Forensic science is a course with a problem solving approach. It will reinforce, build upon and apply concepts that were taught in previous science courses. Forensic science allows for extensive research skills, analytical and logical thinking, problem solving, synthesizing information and drawing conclusions. Students will exercise their science knowledge by participating in mock crime scenes in which they collect data, examine data, and solve crimes. Writing is an integral part of the course with students being expected to communicate laboratory reports, results, conclusions, and analyze case studies.

SCIENCE DEPARTMENT AIDE - (1 Term) - 1 credit – Course #918

ELECTIVE

Prerequisites: Department chair approval

Level: 12

The Science Department offers qualified students the opportunity to become department aides. Duties may include laboratory preparation and cleanup, greenhouse work, inventory, and clerical tasks. The Science Department Aide position is an elective and will not be counted as credit toward completion of Science requirements.

# SOCIAL STUDIES

Placement test scores and teacher recommendations will be referenced for freshman student placement.

## ESSENTIAL HUMAN GEOGRAPHY - (1 Term) - 1 credit – Course #109

Prerequisite: Director of Special Education approval

Level: 9

This course focuses on geography as a social science and students will engage in the study of thematic units focusing on aspects of Population, Spatial Patterns, and aspects of human civilization such as Migration, Ethnicities, Religion, Political Geography, Development, and Resource Management. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum. This course aligns with the Common Core State Standards and ISBE “Writing Intensive” standards.

## HUMAN GEOGRAPHY - (1 Term) - 1 credit – Course #155

Prerequisites: Appropriate score on 9<sup>th</sup> grade placement test

Level: 9

This course focuses on geography as a social science and students will engage in the study of thematic units focusing on aspects of Population, Ethnicities, Spatial Patterns, and aspects of human civilization such as Migration, Religion, Political Geography, Development, and Resource Management. This course aligns with the Common Core State Standards and ISBE “Writing Intensive” standards.

## HUMAN GEOGRAPHY (AP) - (1 Term) - 1 credit – Course #157

Prerequisites: Appropriate score on 9<sup>th</sup> grade placement test and/or department chair approval

Level: 9, 10, 11, 12

AP Human Geography presents high school students with the curricular equivalent of an introductory college-level course in human geography or cultural geography. Content is presented thematically rather than regionally and is organized around the discipline’s main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

## ESSENTIAL U.S. HISTORY - (2 Terms) – 1 credit – Course #113

Prerequisite: Director of Special Education approval

Level: 12

This course is a survey of American history. Events covered range from the foundation of the United States to the modern era. This course will be taught by a special education teacher with accommodations and modifications to the general education curriculum.

U.S. HISTORY - (2 Terms) - 1 credit – Course #128

Prerequisites: World History

Level: 12

This course is a survey of American history. Events covered range from the foundation of the United States to the modern era.

Note: A student may ONLY take U.S. History or U.S. History AP

U.S. HISTORY (AP) - (2 Terms) – 1 credit – Course #159

Prerequisites: World History or Human Geography (AP) or department chair approval

Level: 12

U.S. History (AP) is a college level learning experience. This course strives to present a clear, relevant, and balanced history of the United States as an unfolding story of national development, from the days of the earliest inhabitants to the present. This is a rigorous and demanding course with an emphasis on AP exam preparation. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

Note: A student may ONLY take U.S. History or U.S. History AP

PSYCHOLOGY - (1 Term) - 1 credit – Course #153

ELECTIVE

Prerequisites: None

Level: 10, 11, 12

This course gives students the opportunity to study the human organism and its multifaceted, unique characteristics. Students will gain valuable insight into themselves and their fellow beings through understanding the principles and methods of psychology, the workings of the brain, and how we learn. Other topics include the study of human development from conception through adolescence, how to deal with stress and conflict, and mental disorders. Students will design and construct projects and experiments to examine the many sides of human behavior.

NOTE: A student may ONLY take Psychology or Psychology (AP)

PSYCHOLOGY (AP) - (1 Term) - 1 credit – Course #154

ELECTIVE

Prerequisite: Department chair approval

Level: 10, 11, 12

High-level critical thinking and interpretive skills will be developed in preparation for the AP Psychology exam. Group work, case studies, and hands-on projects as well as other types of learning activities will be included in this course. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

NOTE: A student may ONLY take Psychology or Psychology (AP)



AMERICAN LAW: Our Political Culture in the New Millennium (1 Term) - 1 credit – Course #152

ELECTIVE

Prerequisites: None

Level: 9, 10, 11, 12

American Law is a class that focuses on practical democratic participation, voting, jury duty, and other democratic responsibilities. This course will help students balance rights, responsibilities, and obligations to their community in general and to their fellow citizens in particular. Most activities will be taken from life events and emphasize public policy solutions that reflect common sense. Our study of the Constitution and the Supreme Court will come alive as we write our own legal briefs, engage in problem-based learning, and other strategies that foster progressive democratic activism. American Law will help develop civic awareness as well as demonstrate the impact lawyers and judges have on our complex society.

CIVICS IN THE 21<sup>ST</sup> CENTURY - ½ credit - Course #137

Prerequisite: None

Level: 12

The goals of this course are to provide students the necessary information for becoming productive members of our American society with an understanding of local, state, and federal government, current and controversial issues, community service, and simulations of government. This course meets ISBE Civics requirements. Students will complete 8 hours of service and attend 2 local government meetings or complete 5 hours of service and attend 3 local government meetings as part of the service learning component of this course. Please refer to the table on pages 5 and 6 for graduation requirements.

SOCIAL STUDIES DEPARTMENT AIDE - (1 Term) - 1 credit – Course #914

ELECTIVE

Prerequisites: Department chair approval

Level: 12

The Social Studies Department offers qualified students the opportunity to become department aides. Activities will include assisting with preparation of class materials and other department duties. The Social Studies Department aide position is an elective and will not be counted as credit toward completion of Social Studies requirements.

# WORLD LANGUAGES

Departmental recommendation: A variety of courses are offered to meet the needs of each student. All students are afforded the opportunity for facility in communicating in the target languages. College-bound students are encouraged to complete the current 5-credit course offerings that may enable them to receive exemption from certain general education or world language college requirements.

Occasionally a special program or field trip may require an additional fee.

\*Note: Students wishing to earn the “Excel Diploma” must take a minimum of 2 years of Spanish at Evergreen Park Community High School.

## SPANISH 1 - (1 Term) - 1 credit – Course #700

Prerequisites: None

Level: 9, 10, 11, 12

Throughout the year, students will begin to speak, read, write, and understand Spanish. Language and computer laboratory activity and audio-visual facilities will help enrich the work at this level. In addition, students will have the opportunity to increase their knowledge of life and culture in Spanish-speaking countries.

## SPANISH 2 - (1 Term) - 1 credit – Course #701

Prerequisites: Completion of Spanish 1 with a grade of C or better or department chair approval

Level: 9, 10, 11, 12

Spanish 2 students will continue to increase their understanding and use of the language in everyday conversation. Greater use of the target language will incorporate more complex structures and increased vocabulary. Language and computer lab activity and audiovisual materials will support the communicative activities. Students will have the opportunity to continue to increase their knowledge of life and culture in Spanish speaking countries.

## SPANISH 3 - (1 Term) - 1 credit – Course #702

Prerequisites: Completion of Spanish 2 with a grade of "C" or above or department chair approval

Level: 9, 10, 11, 12

In Spanish 3 the students will have an opportunity to further develop their conversational, reading, and writing skills in the target language. Continued use of the language and computer lab will facilitate increased language acquisition. The culture of the Spanish-speaking world will be emphasized through readings, films, research, and special projects.

## SPANISH 4 - (1 Term) - 1 credit – Course #703

Prerequisites: Completion of Spanish 3 with a grade of "C" or above or department chair approval

Level: 10, 11, 12

The students will continue to work toward the mastery of the idiom in communication using the four skills of listening, speaking, reading, and writing. Use of the language and computer lab will facilitate the process. Hispanic culture will be emphasized through the study of its civilization, history, literature, and the arts.

SPANISH LANGUAGE & CULTURE (AP) - 1 Credit – Course #706

Prerequisites: Completion of Spanish 4 with a grade of "C" or above  
or department chair approval

Level: 10, 11, 12

This course is designed to further develop language proficiency and cultural awareness. It is intended for students who wish to continue language study for a variety of reasons including enjoyment of the language and preparation for future needs. These might include education, travel, and careers. Students will be encouraged to use only Spanish throughout the course. Individual projects will be presented at the end of the term. Various, famous literary works will be read, discussed, and analyzed. AP Students are encouraged to take the College Board exams which are administered in the spring. (Additional exam fee may be required.)

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