2025-2026
Catalog of Course Offerings
Grades 9-12



MOLINE HIGH SCHOOL

MOLINE-COAL VALLEY
PUBLIC SCHOOLS
DISTRICT #40

MOLINE, IL
61265

2025-2026
CATALOG OF COURSE OFFERINGS
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TO PUPILS AND PARENTS:

The purpose of this booklet is to assist you and the Moline-Coal Valley Public School System in cooperating more effectively in planning your educational future. We realize that these plans may change. Effective use of our counseling staff will enable you to make the necessary revisions as your educational/occupational plans develop.
You will observe that as you progress from grade to grade there are certain courses which are required while others are elected. When looking ahead from year to year, you should select those courses which will benefit you most in preparing for your life work.

GRADUATION REQUIREMENTS

Graduation shall be held once each year at the close of the second semester. To be eligible to take part in graduation exercises and receive a diploma, students are required to earn the credits listed below. Provision for early graduation is outlined below.

One credit is granted for successful completion of a full year course. One-half credit is granted for successful completion of a one-semester course. Credit will normally be earned over a four-year period beginning with the ninth grade.

Cumulative Minimum Credits Needed to be on Target for Graduation

End of Freshman Year	5.5 credits
End of Sophomore Year	11.5 credits
End of Junior Year	17.5 credits

1. **REQUIRED CREDITS:** To be eligible for graduation and a diploma, a student is required to successfully complete the following credits:

English		4 credits
Social Studies	0.5 credit Government (including the constitution test), 1 credit in American History, 0.5 credit in World Studies, and 0.5 credit elective	3 credits
Mathematics	1 year must be in Algebra and 1 year must be a course that includes Geometry	3 credits
Science	1 year of life science and 1 year or physical science strongly recommended	2 credits
Consumer Education	Managerial Economics, Consumer Basics, Step 1 or Step 2 (must complete both semesters) also complete this credit.	0.5 credit
Elective	1 credit must be chosen from Music, Art, World Language, or Vocational Ed	1 credit
Physical Education		3.5 credits
Health		0.5 credits
	Total Credits Required	21.5 credits

2. **ATTENDANCE REQUIREMENTS:** Students shall attend school as full-time students at least three years to be eligible for graduation; most students will attend four full years. A full-time student is defined as one carrying three credits of study per semester. Work-study programs will be evaluated individually.

3. **MAXIMUM AGE:** Students reaching the age of twenty-one (21) must apply to the building principal for permission to continue attending classes.

4. **ADDITIONAL REQUIREMENTS:** No student shall receive a certificate of graduation without passing a satisfactory examination on patriotism and principles of representative government, proper use of the flag methods of voting, and the Pledge of Allegiance. The Building Principal is responsible for notifying students and their parent(s)/guardian(s) of the District's graduation requirements.

5. **PROVISION FOR EARLY GRADUATION**: The provision for early graduation is as follows:
   A. The student and parent/guardian shall initiate their request for early graduation in writing, to the appropriate counselor, stating clearly the reasons.
   B. The counselor shall review the written request, assess the student's credits, and determine whether early graduation is possible. If the student is eligible for further consideration, the request shall be forwarded with the counselor's recommendation, to the Building Principal for the purpose of administrative approval or denial.
   C. Students who are granted permission for early graduation shall be eligible to participate in graduation exercises. Early graduates are no longer considered students and therefore may not participate in activities as students until graduation night.
   D. A letter explaining the circumstances of early graduation will be sent to each parent/guardian of the early graduate.

6**. CERTIFICATE OF COMPLETION**: A student with a disability who has an individualized education program prescribing special education, transition planning, transition services, or related services beyond the student's four years of high school, qualifies for a certificate of completion after the student has completed four years of high school. The student is encouraged to participate in the graduation ceremony of his or her high school graduation class. The Superintendent or designee shall provide timely written notice of this requirement to children with disabilities and their parent(s)/guardian(s).

7. **SUMMER SCHOOL CREDITS:** Credit earned in the Moline Public Schools Summer Program may be applied toward graduation requirements.

8. **CREDIT FOR NON-DISTRICT EXPERIENCES:** Students may enroll in pre-approved, non district experiences and receive high school credit for completion. Experiences may include distance learning courses, correspondence courses, online courses, foreign exchange program courses, Vocational Academy courses, Youth Apprenticeship, or Vocational Education Program courses. Each course must be provided by an accredited institution, requires pre-approval by high school administration, and may require a proficiency examination prior to awarding credit. A student may receive high school credit provided:
   1. The experience is conditionally approved on the appropriate district form by the high school administration prior to the start of the semester in which the credit is to be earned.
   2. The experience is provided by a district-approved accredited institution.

3. The student completes all necessary application and registration steps, along with any prerequisites, for the providing institution.
4. The student and/or guardians assume responsibility for any fee, tuition, supply, or other expense related to the experience or the credit associated with the experience.
5. The student completes the provider's requirements for course credit, and the district's acceptable level of achievement on a proficiency examination, should the district request the student to do so. Non-District Experiences receiving credit will not factor into the student's class rank. All courses, except for those earning "credit or no credit" will be calculated into the student's Grade Point Average, beginning with the semester following course completion.

9. **BLACK HAWK COLLEGE DUAL ENROLLMENT/DUAL CREDIT OFFERED AT MOLINE HIGH SCHOOL**: Juniors and seniors who are at least 16 years old may have the opportunity to enroll in one or more courses offered in the Moline High School building as Dual Enrollment/Dual Credit with Black Hawk College. In order to register for one of these classes, the student is responsible for fulfilling several requirements by the deadline set during the semester previous to the semester when the class will be held:
    1. Apply to Black Hawk College online;
    2. Take the necessary placement tests and provide proof of earning the minimum scores required;
    3. Fill out and submit a Black Hawk College registration form;
    4. Request the class on the Moline High School schedule. A fee, billed to the student's Black Hawk College email account, will be charged for each course. See specific departments for classes offering Dual Enrollment/Dual Credit, including prerequisites and course descriptions. Upon successful completion of one of these courses, a student will receive credit both at Moline High School and Black Hawk College. All of the above requirements to enroll in Dual Enrollment/Dual Credit classes must be completed by the deadline. <u>Students should be aware that dual credit course grades will be permanent grades on a Black Hawk College transcript. Students must send their Black Hawk College transcripts to other colleges to receive credit for Dual Enrollment/Dual Credit Classes.</u>

10. **ELIGIBILITY FOR GRADUATION EXERCISES**: All students who meet the requirements as set forth above and participate in graduation practice shall be eligible to take part in graduation exercises at the close of the school year.

<u>Exchange Programs</u>

The Board of Education may grant a certificate of attendance to exchange Students. District students will receive academic credit for foreign exchange courses that meet the criteria established in the curriculum and that are approved by the Building Principal. International study course work not meeting district requirements may be placed in the student's permanent record and recorded as an international study experience.

11. **EXCEPTIONS**: Exceptions to the above policies may be made upon recommendation by the Principal and Superintendent, then approved by the Board of Education.

12. **CREDIT/NO CREDIT**

The student has the option to take one course per semester on a credit/no credit basis with parental permission. Essentially, the program encourages students to take a class without the pressure of grade achievement or class rank attainment. Before a student enters the program, they must consider the following guidelines:

1. Any request must be approved by building administration after the 1st quarter, or for requests of more than one class. Decisions will be made based on the student's previous grade history, current grade in the class (if requested while the class is being taken), and student, counselor, and teacher feedback.
2. When the decision is made to take a course on credit/no credit, that decision cannot be changed at a later date.
3. The NCAA Clearinghouse will assign our high school's lowest passing grade (D) when calculating eligibility for a credit/no credit class.
4. Students will have until the first quarter of the semester to request that a course be designated "Credit/No Credit". Credit/no credit courses are not audit courses. All students must complete all course requirements in order to receive credit. Furthermore, all taken under the credit/no credit system will be recorded and marked on the report card using an A-F scale so that you will be able to see the student's progress.

Credit/no credit courses are not audit courses. All students must complete all course requirements in order to receive credit. Furthermore, all courses taken under the credit/no credit system will be recorded and marked on the report card using an A-F scale so that you will be able to see the student's progress. However, at the end of the semester when regular final course grades are placed on the permanent record, a course taken and passed under the credit/no credit system will be recorded on the student's transcript simply as a credit; no grade will be listed. If a course is failed under this plan, no record will be made on the transcript. We recommend that before any students choose to take courses for credit/no credit, they seek advice from teachers and counselors to ensure that all college entrance requirements for vocational plans will still be met. Please remember that student participation in the credit/no credit program is strictly voluntary.

13. **HONORS PROGRAM**

Students enrolled in the Honors Program (English, Mathematics, Science, and Social Studies) are selected for these programs prior to high school entry. Initial selection is based on the student's standardized test scores, past performance and teacher recommendations. Other students not in the initial group can have the opportunity to participate in honors courses with a teacher's recommendation and qualifying past academic performance.

14. **WEIGHTED GRADES**

The Moline High School weighted grade system will be used exclusively for the purpose of determining a student's rank in class.

Classes which will be designated for weighted grades are Advanced Placement Courses, Honors Courses, and those courses designated as prerequisites to Advanced Placement Courses. Students receiving grades of A, B, C, or D in designated classes will have one point value added to the numerical grade equivalent of the grade assigned by the teacher. (A=5, B=4, C=3, D=2, F=0).The prerequisite courses may require proven performance in the subject area or approval of the teacher of the prerequisite course.

Note: Courses taken as independent study will not be weighted.
Those courses currently meeting the preceding criteria for weighting are:

Visual Arts:
AP Studio Art
AP Art History

Business & Technology:
Accounting 2
Computer Science Principles

English:
AP English Literature and Composition
Comp 101 and Comp 102
British Literature
Honors English 2
Honors English 1

World Languages:
AP French Language & Culture
AP Spanish Language & Culture

Math:
AP Calculus
AP Precalculus
AP Statistics
Honors Algebra 2
Honors Geometry
Honors Algebra 1

Music:
AP Music Theory
Senior Symphonic Band
Senior Symphonic Orchestra
Senior Concert Choir

Science:
AP Biology
AP Chemistry
AP Physics
Biology 2 (Botany)
Biology 2 (Anatomy & Physiology)
Honors Chemistry

Social Studies:
AP U.S. Government and Politics
AP U.S. History
AP European History
AP Microeconomics
AP Macroeconomics
AP Psychology

Manufacturing & Engineering:
Introduction to Engineering
Principles of Engineering
Civil Engineering
Computer Integrated Manufacturing

15. **GRADE POINT AVERAGE**

Grade Point Average (GPA) is always determined using non-weighted grades. (A=4, B=3, C=2, D=1, F=0.) The GPA is calculated by adding all of the values for semester grades (A=4, etc.) to obtain a cumulative value for the courses attempted. That total is divided by the number of courses attempted (by the student) to find the average GPA for any particular semester. Cumulative GPA averages the total of all values accumulated (grades 9-12) to date divided by the total courses attempted. Courses taken on “credit/no credit” are not used in the GPA calculations. All summer school courses are included in grade point average the following semester, but are not included in class rank.

NOTE: Both weighted and non-weighted grade point averages will appear on report cards and transcripts.

16. **CLASS RANK**

NOTE: Class rank will be determined by a weighted grade point average. Weighted Rank will appear on semester report cards, but will not appear on transcripts.

Class rank criteria:

1. The student's highest five grades will be used in determining class rank on the weighted grade point average.
2. Classes in summer school, physical education, driver education, correspondence courses, independent study, study hall and credit/no credit are not included in the determination of class rank.
3. The weighted and non-weighted grade point averages will continue to appear on semester report cards, but will not appear on transcripts.
4. Rank is subject to change due to makeup final exams and grade changes submitted by teachers.

17. **LENGTH OF SCHOOL DAY**

Moline High School offers seven (7) regular class periods per school day. Students select a combination of semester and year-long courses to total six (6) class period assignments for the year. Students who meet the criteria and elect to enroll in an extended elective (music, engineering or world language) will be administratively enrolled in a seventh course. Priority in world language courses in the freshman year is based on standardized test scores. Students must take a minimum of six academic and elective courses, including Physical Education or Health, each day, unless participating in a school-approved work program. Students should consider their own capabilities, their future plans, and their extra-curricular activities in making the decision about the academic courses they wish to take.

18. **STUDY HALLS**

Students choosing not to enroll in the extended elective option will be enrolled in a non credit-bearing study hall for their 7th course. Some 9th and 10th grade students who have shown a history of core course failures may be temporarily placed by administration in a Learning Center for Response to Intervention (RTI) services in lieu of a study hall.

19. **NCAA INFORMATION**

Student athletes who plan to play Division I or II college athletics must meet NCAA eligibility guidelines. It is recommended that parents and students who may play Division I or II college athletics, review the NCAA guidelines each year beginning in 8th grade. Information regarding these guidelines can be found on their website at www.ncaaclearinghouse.net. Below are highlights of NCAA requirements:

A. A course taken to prepare for a core course that fulfills the core requirements (i.e. pre-algebra) may **not** be used as a CORE COURSE regardless of course context.
B. Courses taken credit/no credit may be used to satisfy core curriculum requirements, however, the NCAA Clearinghouse will assign our high school's lowest passing grade (D) when calculating eligibility for a credit/no credit class.
C. Students with disabilities may initiate a waiver process.

20. **HOMEWORK**

If a student is gone two or more days, it is the student's responsibility to contact the teacher either by phone or email to get their homework. All telephone extensions and email addresses are listed in the student planner. If books are needed from the student's locker, please contact the student's counselor. All homework and books can be picked up in the main office once requested.

21. **PROCESS FOR CHANGING OR DROPPING CLASSES**

Schedule changes are **not** permitted. Parents will receive confirmation in the spring of the courses that the student has requested. Those courses may be changed only if there was an input error. Such errors need to be attended to by the parent/guardian and counselor and changed immediately. Failures in prerequisite courses will be automatically changed by the student's counselor. After the school year begins, the only schedule changes made will be as a result of a teacher recommendation due to ability misplacement or a change in the student's career path which requires additional coursework. Career path additions must be made within the first five days of each semester.

Students may drop a course and add a study hall a week after the first progress reports of each semester have been posted only if the student does not have a study hall and has written parental permission. Courses dropped at any other time will receive a failing grade on the transcript. The option to drop a course is based on space available in a study hall.

22. **AUDIT COURSES**

Teachers will have the discretion to determine whether a student must audit a course or can earn credit when the student enrolls in a course after 20 days of instruction and the student does not have a transfer grade for the course. The counselor will notify the teacher when a student is enrolling without a transfer grade, and the teacher will respond with their decision within a week. The decision will be communicated to the registrar to ensure correct grade reporting.

In rare instances, a student may take a course for a second time with administrative approval without earning credit.

Any questions concerning audit or any problems that result will also be reviewed by the Assistant Principal.

23. **MEDIA CENTER**

The Moline High School Media Center InfoHub staff is available to help students with assignments and locating materials.

InfoHub Hours
Library 7:30 a.m.- 4:00 p.m.

The InfoHub has ~10,000 books, 33,688 ebooks, 330,000 streaming videos, and 29 iMac computers in the library for student use. They provide printing and a variety of web based research databases. The databases contain millions of documents, and cover current events, research reports, social issues, career and college readiness skills, and other topics related to class assignments. The InfoHub also provides Interlibrary Loan services, obtaining materials from

other libraries across the nation. The InfoHub provides a large variety of audiovisual services such as digital cameras, DVD players, lamination, digital and print media assistance.

24. **HOW TO USE THE CATALOG OF COURSE OFFERINGS**

On the pages that follow, you will find information about all MHS courses. This information is divided and organized by department; for example, to find information about Chemistry, you will need to turn to the section of this Guide that is devoted to the Science Department (see CONTENTS page for exact page reference). In each department's section, you will find a chart of courses that provides an overview of that department's offerings as well as important information about credits, prerequisites, etc., for each course.

Before turning to department sections, read carefully the following definitions and explanations of the departmental course charts:

SUBJECT Column lists all courses offered by the department. Courses listed in **bold** are **full-year courses** and must be requested for both semesters. Courses in regular font are single-semester courses and should not be requested twice in a school year.

SEM 1 & SEM 2 COURSE NUMBER columns indicate the specific course number used within our scheduling system to identify the course, as well as which semester courses are offered. Odd numbers indicate a first semester course, and even numbers indicate a second semester course. Students will need to use this course number when entering course requests into the online Skyward scheduling system.

YEAR Column indicates by student classification the year students are eligible to take the course. Nine (9) indicates the freshman year; 10, the sophomore year; 11, the junior year; and 12, the senior year.

PREREQUISITES, RECOMMENDATIONS, AND RELATED INFORMATION Column lists any of the following qualifications for enrollment: courses or conditions which must be completed satisfactorily before others can be taken, recommendations of other courses or criteria that might be completed before enrollment, and conditions that might restrict enrollment.

COLLEGE AND CAREER PREP
(Sample 4-Year Plan)

FRESHMAN	
First Semester	*Second Semester*
Literature & Language 1	Literature & Language 1
Algebra 1	Algebra 1
World Studies	World Studies
Physics First	Physics First
Elective P.E	Elective P.E
SOPHOMORE	
First Semester	*Second Semester*
Literature & Language 2	Literature & Language 2
Geometry	Geometry
American History	American History
Chemistry	Chemistry
Health	Elective P.E.
JUNIOR	
First Semester	*Second Semester*
Literature & Language 3	Literature & Language 3
Algebra 2	Algebra 2
American Government	Social Studies Elective
Biology or Elective	Biology or Elective
Consumer Education or Managerial Economics	Consumer Education or Managerial Economics
Elective	Elective
P.E.	P.E.
SENIOR	
First Semester	*Second Semester*
English Elective (includes Comp 101)	English Elective (includes Comp 102)
Mathematics	Mathematics
Elective	Elective
Elective	Elective
Elective P.E.	Elective P.E.

HONORS PROGRAM
(Sample 4-Year Plan)
For a list of weighted courses, see page 6.

FRESHMAN

First Semester	*Second Semester*
Honors English 1	Honors English 1
Honors Geometry	Honors Geometry
AP European History	AP European History
Honors Chemistry	Honors Chemistry
Elective P.E.	Elective P.E

SOPHOMORE

First Semester	*Second Semester*
Honors English 2	Honors English 2
Honors Algebra 2	Honors Algebra 2
AP American History	AP American History
AP Biology	AP Biology
Health	Elective P.E.

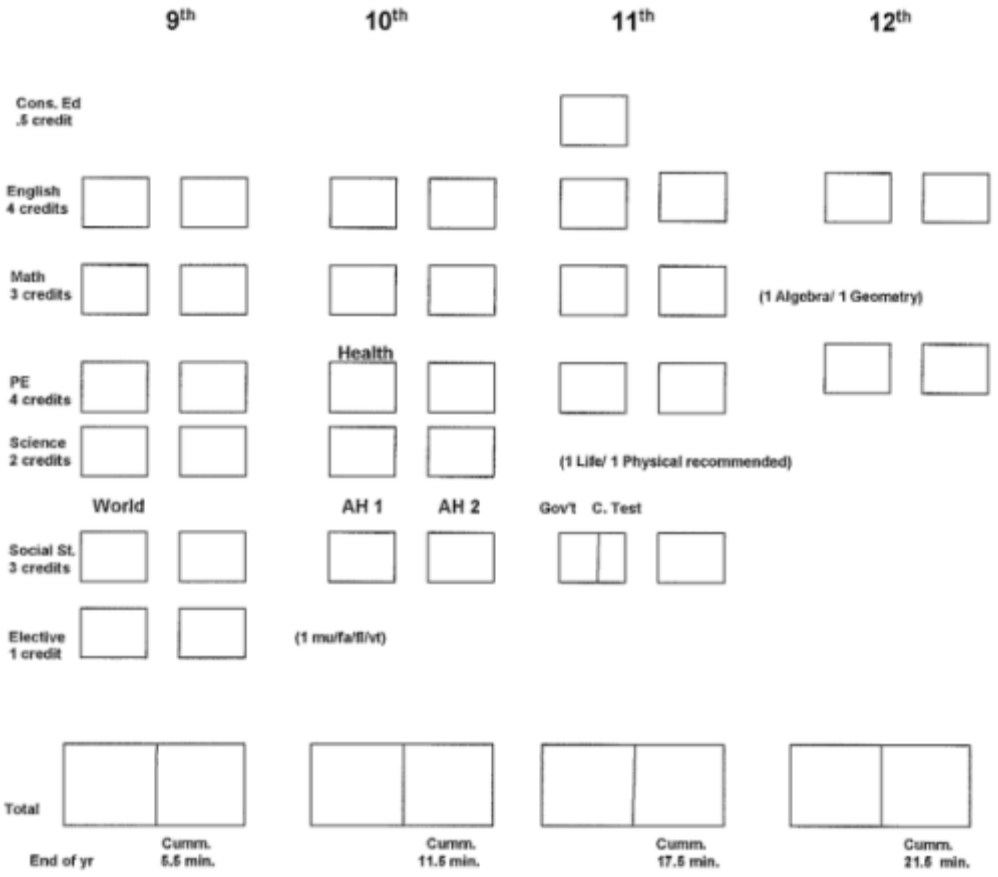
JUNIOR

First Semester	*Second Semester*
Comp 101	Comp 102 or British Literature
Precalculus/AP Statistics	Precalculus/AP Statistics
AP U.S. Government and Politics	AP U.S.Government and Politics
Adv. Biology Botany, AP Chemistry or Adv. Physics 2	Adv. Biology 2 A & P AP Chemistry or Adv. Physics 2
Consumer Ed or Managerial Economics	Elective
P.E.	P.E.

SENIOR

First Semester	*Second Semester*
AP English Literature & Composition	AP English Literature & Composition or British Literature
AP Calculus/AP Statistics	AP Calculus/AP Statistics
AP Psychology/AP Microeconomics	AP Psychology/AP Macroeconomics
Adv. Biology Botany, AP Chemistry or Adv. Physics 2	Adv. Biology 2 A & P AP Chemistry or Adv. Physics 2
Elective P.E.	Elective P.E.

Moline High School Graduation Checklist
21.5 Units of Credit



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ML EDUCATION DEPARTMENT

Subject	Sem 1 Course No	Sem 2 Course No	Year	Prerequisites, Recommendation and Related Information
ML Beginner English	A - BL101 B - BL103 C - BL113 D - BL119	A - BL102 B - BL104 C - BL114 D - BL120	9-12	EL Education Placement ● Students new to the US and learning English ● Overall ACCESS score: 1.0-2.0
ML Intermediate English	A - BL105 B - BL107 C - BL115 D - BL127	A - BL106 B - BL108 C - BL116 D - BL128	9-12	EL Education Placement ● Students learning academic language and building confidence in speaking ● Overall ACCESS score: 2.0-3.5
ML Advanced English	A - BL109 B - BL111 C - BL117 D - BL123	A - BL110 B - BL112 C - BL118 D - BL124	9-12	EL Education Placement ● Students are working towards college readiness skills with abstract thinking, writing and speaking ● Overall ACCESS score: 3.0+
Read 180	BL125	BL126		Teacher Recommendation
ML World Studies Beginning	BL311	BL312	9-12	EL Education Placement
ML World Studies Advanced	BL313	BL314	9-12	EL Education Placement
ML American History Beginning	BL305	BL306	9-12	EL Education Placement
ML American History Advanced	BL307	BL308	9-12	EL Education Placement
ML Government	BL315	BL316	9-12	EL Education Placement
ML Problems and Issues	BL303	BL304	9-12	EL Education Placement
ML Math Concepts	BL345	BL346	9-12	EL Education Placement
ML PreAlgebra	A - BL325 *	A - BL326 *	9-12	EL Education Placement
ML Science Concepts	A - BL333	A - BL334	9-12	EL Education Placement

ML Health and Wellness	BL353	BL354	9-12	EL Education Placement
ML Study Skills	A - BL335 B - BL357 C - BL359 D - BL361	A - BL336 B - BL358 C - BL360 D - BL362		Teacher Recommendation

NOTES:

- Students must be eligible to receive multilingual services.
- Classes are geared toward individual needs and emphasis placed on language and corresponding academic skill development.

BEGINNER ENGLISH - GENERAL COURSE DESCRIPTION: This course is for newcomer ML students. The course will focus on written and spoken English. Students who are recommended for this course usually have an overall ACCESS score between 1.0-2.0. (ST# 01008A000)

INTERMEDIATE ENGLISH - GENERAL COURSE DESCRIPTION: This class focuses on the use of English in an academic setting and increasing confidence in using English to talk with peers. Students will write five paragraph essays and present in small groups. Students will study literature and nonfiction as well as grammar and sentence structure. Students who are recommended for this course usually have an overall ACCESS score between 2.0 - 3.5. (ST# 01008A000)

ADVANCED ENGLISH - GENERAL COURSE DESCRIPTION: This class focuses on the development of expressing abstract thought both orally and in writing. Students will study world literature and write essays. A creative English writing component is incorporated into this course. Students who are recommended for this course usually have an overall ACCESS score above 3.0. (ST# 01008A000)

READ 180 - GENERAL COURSE DESCRIPTION: This course will support students in their content area while reinforcing strategies in vocabulary and comprehension. The course includes a combination of software and classroom interventions to build reading comprehension, academic vocabulary, writing, reading, and listening skills. Prerequisites: EL placement. (ST# 01067A000)

EL WORLD STUDIES BEGINNING - GENERAL COURSE DESCRIPTION: This course introduces students to the full scope of world social studies. Students assigned to this section have an ACCESS score between 1.0 and 2.5. (ST# 04061A000)

EL WORLD STUDIES ADVANCED - GENERAL COURSE DESCRIPTION: This course introduces students to the full scope of world social studies. Students assigned to this section have an ACCESS score between 2.0 and 3+. (ST# 04061A000)

EL AMERICAN HISTORY BEGINNING - GENERAL COURSE DESCRIPTION: This class covers American history from early inhabitants of the Americas to the present. Special emphasis will be placed on the contributions of all citizens to the rich historical tapestry of the United States and how US actions have impacted the world as a whole. Students assigned to this section have an ACCESS score between 1.0 and 2.5. (ST# 04149A000)

EL AMERICAN HISTORY ADVANCED - GENERAL COURSE DESCRIPTION: This class covers American history from early inhabitants of the Americas to the present. Special emphasis will be placed on the contributions of all citizens to the rich historical tapestry of the United States and how US actions have impacted the world as a whole. Students assigned to this section have an ACCESS score between 2.0 and 3+. (ST# 04149A000)

EL AMERICAN GOVERNMENT - GENERAL COURSE DESCRIPTION: This course will examine the historical evolution of the fundamental principles of American government, including federalism, and balanced government. Special emphasis is placed on the rights and responsibilities of U.S. citizens under the Constitution. Political parties, lawmaking, the electoral process, campaigns and elections and the American legal system are some of the units of study. (ST# 04151A000)

EL PROBLEMS & ISSUES - GENERAL COURSE DESCRIPTION: Students will investigate important national and international problems, events and controversies that dominate the headlines. Students will become more informed of the world around them and will learn techniques for analyzing the news. Students should be prepared to take an active role in class discussions and work on technology-based projects. (ST#04106A000)

ML MATH CONCEPTS - GENERAL COURSE DESCRIPTION: Students will learn foundational skills necessary for success in math including: the number system; number sense; addition, subtraction, multiplication, and division.

ML PREALGEBRA - GENERAL COURSE DESCRIPTION: Students will learn the foundational mathematics to be successful in an Algebra 1 course including: connecting different mathematical representations (tables, graphs, and equations), and solving equations.

ML SCIENCE CONCEPTS - GENERAL COURSE DESCRIPTION: Students will study the scientific method and the academic language associated with the sciences classes offered at Moline High School. The course will include instruction in measurement and scientific equipment.

ML HEALTH AND WELLNESS - GENERAL COURSE DESCRIPTION: Health is a one semester course which should be taken by all students during tenth grade. Emphasis is placed on a variety of topic areas which may include a health overview, physical fitness, nutrition, disease and prevention, mental health and illness, alcohol and drug abuse, decision-making and human sexuality. Students will focus on the academic vocabulary necessary to communicate in everyday health situations.

BUSINESS AND TECHNOLOGY DEPARTMENT

Subject	Sem 1 Course No	Sem 2 Course No.	Year	Prerequisites, Recommendation and Related Information
Accounting 1	BE 465	BE 466	10-12	None
Accounting 2	BE 467	BE 468	11-12	Accounting 1
Business Internships	CO849	CO850	11-12	Coordinator Approval and Application
Business Law	BE 479	BE 480	10-12	None
Introduction to Business	BE487	BE488	9-12	None
Consumer Basics and Financial Literacy	BE445	BE446	11-12	Recommendation of teacher or Counselor Meets graduation requirement for Consumer Education and Financial Literacy
Consumer Education & Financial Literacy	BE481	BE482	11-12	None Meets graduation requirement for Consumer Education and Financial Literacy
Managerial Economics	BE 485	BE 486	11-12	None Meets graduation requirement for Consumer Education and Financial Literacy
Computer Basics	BE203	BE204	9-12	Recommendation of a counselor or teacher
Computer Concepts	BE439	BE440	9-12	None
Computer Applications 1	BE 205	BE 206	10	Computer Concepts recommended
*Computer Applications 1 Dual Credit (BE 146)	BE 205	BE 206	11-12	Computer Concepts recommended
CompTIA Tech +	BE193	BE194	9-12	None
Help Desk	BE191	BE192	10-12	Coordinator Approval and Application
Introduction to Computer Science PLTW	BE211	BE212	9-12	None
PLTW Computer Science Principles	BE511	BE512	10-12	Introduction to Computer Science or teacher recommendation
***PLTW Computer Science Principles** (CS 105)	BE511	BE512	11-12	Introduction to Computer Science or Recommendation of Teacher and ACT score of 19 or higher or SAT score of 519 or higher, or score of 30 or higher on the ALEKs math test

PLTW Computer Science A - Java	BE301	BE302	11-12	Introduction to Computer Science or teacher recommendation
PLTW Cybersecurity	BE303	BE304	10-12	C or better in any PLTW Computer Science course or Comp Tia Tech + or teacher recommendation

NOTE: Departmental honors in Business & Technology will be awarded to each senior who earns five semesters of A
NOTE: Accounting 1 and Accounting 2 are articulated with Black Hawk College.
NOTE: Courses listed in bold are full-year courses and must be requested for both semesters.

***Computer Applications 1 (BE 146) and PLTW Computer Science Principles (CS 105) are dual credit with Black Hawk College. A nominal college fee through Black Hawk College will apply.**

BUSINESS AND TECHNOLOGY DEPARTMENT COURSE DESCRIPTIONS

ACCOUNTING 1 - GENERAL COURSE DESCRIPTION: Accounting 1 develops a sound understanding of accounting principles and procedures, as used in the accounting profession. The course requires students to record transactions and prepare financial statements for service and merchandising businesses, organized as a sole proprietorship or a corporation. Computerized accounting projects are performed using Excel and accounting software. Entry-level job skills can be acquired. THE STUDENT: This course is a must for students planning to major in an area of business in college. Enrolling as a sophomore or junior allows time to take a second year of accounting, which better prepares the student for a degree in business. Accounting 1 is articulated with Black Hawk College course BA 170 - Fundamentals of Accounting I (3 credits) and BA 171 - Fundamentals of Accounting Lab I (1 credit). Successful completion of both semesters with a grade of B or A will enable the student to enroll at Black Hawk having already earned 4 credits in accounting. (ST# 12104A001)

ACCOUNTING 2 - GENERAL COURSE DESCRIPTION: The course expands on knowledge of basic principles learned in Accounting 1. The course includes areas of study in departmentalized accounting, inventory control, depreciation, accrued expenses and revenue, unearned revenue, prepaid expenses, corporate and cost accounting. Computerized accounting projects are performed using Excel and accounting software. Entry-level job skills can be acquired. THE STUDENT: This course is highly recommended for students planning to major in an area of business in college. Accounting 2 is articulated with Black Hawk College course BA 180 - Fundamentals of Accounting II (3 credits) and BA 181 - Fundamentals of Accounting II Lab (1 credit). Successful completion of both semesters with a grade of B or A will enable the student to enroll at Black Hawk having earned an additional 4 credits in accounting. (ST# 12104A002)

BUSINESS INTERNSHIPS - GENERAL COURSE DESCRIPTION: Business Internships offers business-related employment, career-related instruction and work-related skill development. This program is beneficial for both college-bound and vocational students. Two separate grades and two credits are earned for the course (one credit for the class and one credit for the employment portion.) Students are released early from school to attend work in a business-related part time employment. Classroom instruction includes Marketing and Office-related instruction such as advertising, sales, distribution, entrepreneurship, Microsoft Office, Excel, and PowerPoint, etc. An application must be obtained from the teacher or counselor and submitted prior to approval for the course. THE STUDENT: The student must be junior or senior status, maintain acceptable attendance in school and demonstrate employable personality traits. (ST# 22153A001)

BUSINESS LAW - GENERAL COURSE DESCRIPTION: This course surveys the applications of Business Law to career and personal use. Some of the topics to be covered are history of law, contracts, employee-employer relationships, consumer protection, negotiable instruments and special laws relating to marriage, divorce, renting an apartment, insurance, and making out a will. THE STUDENT: The students will be using texts and cases, their own outside observations, and news articles in discussing the principles involved. This course can be handled by an average student and also be a challenge to the above average. (ST# 12054A001)

INTRODUCTION TO BUSINESS - GENERAL COURSE DESCRIPTION: The student studies our economic systems from the viewpoint of a consumer, worker, and business owner or manager. Students will see how businesses are organized, how they operate within our economic system, and with other countries. Other topics covered are the impact of computer technology on businesses and society, using banking services, managing money, using credit wisely, and savings and investments. THE STUDENT: The student must have a desire to study about businesses, economic systems, and how to become a good consumer. (ST# 12001A001)

CONSUMER BASICS & FINANCIAL LITERACY - GENERAL COURSE DESCRIPTION: This course in consumer education teaches the student to make wise decisions in the use of personal and economic resources to meet their needs, wants, and goals in the marketplace and to develop confidence, independence, and resourcefulness in handling financial responsibilities using a practical hands-on approach. This course will also develop basic math skills in: conversions, decimals and percents. Students will practice these skill sets and other math skills that relate to consumer education. Development of math skills are essential to student success and will aid all students in high school and college, for personal use, and as a future career. THIS COURSE MEETS THE CONSUMER EDUCATION GRADUATION REQUIREMENT. (ST# 22210A000)
*Note: *In order to receive credit in Consumer Basics for 2024-25 and beyond, students must pass both semesters of the year long course. Students who pass one semester may also receive credit if both semesters average equal 60% or higher.*

CONSUMER EDUCATION & FINANCIAL LITERACY - GENERAL COURSE DESCRIPTION: Consumer Education teaches the student to make wise decisions in the use of personal and economic resources to meet their needs, wants, and goals in the marketplace and to develop confidence, independence, and resourcefulness in handling financial responsibilities. This course will also develop basic math skills in: conversions, decimals and percents. Students will practice these skill sets and other math skills that relate to consumer education. Development of math skills are essential to student success and will aid all students in high school and college, for personal use, and as a future career. THIS COURSE MEETS GRADUATION REQUIREMENT FOR CONSUMER EDUCATION. (ST# 22210A000)

MANAGERIAL ECONOMICS - GENERAL COURSE DESCRIPTION: Managerial Economics, in cooperation with Junior Achievement, is organized around two experiences: The class business consultant and the Management Economic Simulation Exercise. An outside business consultant will be in the classroom for one class period each week to assist students and the classroom teacher. A computer will also be used for management/decision-making skills in competition with other local schools and individuals via the Internet. THE STUDENT: Managerial Economics would be beneficial to both college and career bound students. MEETS GRADUATION REQUIREMENT FOR CONSUMER EDUCATION. (ST# 22210A000)

COMPUTER BASICS - GENERAL COURSE DESCRIPTION: This course offers students the opportunity to learn about computers and develop the technology skills needed by students during high school and as a transition to post-secondary education or work. Topics covered include: word processing, spreadsheets, presentations (Microsoft and Google), keyboarding techniques and Internet basics. The students will enhance their knowledge about sentence structures, punctuations, etc., and use them to write formal letters, paragraphs and resumes.
The students will work at the student-led Help Desk for a portion of the semester, where they will learn how to repair Chromebooks and run the reception which would help them build productive language.
PREREQUISITES - None (ST# 10003A000)

COMPUTER APPLICATIONS 1 - GENERAL COURSE DESCRIPTION: This course allows students to gain a working knowledge of the Microsoft Office suite using a variety of activities. The focus of this course is on spreadsheets (Excel). The course will also incorporate word processing (Word), presentations (Powerpoint), and database (Access). Additional topics may include: digital imaging, desktop publishing, web page design, concept maps, and programming. Internet research techniques and integrating applications will also be provided in this course. Information provided in this course relates to concepts that students can use in other courses, in college, and on the job. Applications will simulate many of those used by today's businesses. Any student wanting to improve his or her computer proficiency will benefit from this course. PREREQUISITE: Computer Concepts or 11th & 12th grade. (ST# 10004A001)

COMPUTER CONCEPTS- GENERAL COURSE DESCRIPTION: This course provides the student with computer skills for use in high school, college, personal use, and future careers. The course is designed to develop software application skills and web based technology skills for use in daily life. Computer Concepts covers correct keyboarding techniques; building speed and accuracy on the keyboard; learning the basic software applications for word processing, spreadsheets, presentation, web page design, image manipulation, animation, programming, and desktop publishing. Web based technologies such as Google Classroom, Google Drive, and OneDrive will also be explored. In addition to these skills, the course will cover Internet safety, Internet ethics and proper English skills and writing. Computer Concepts is recommended for all computer classes in the Business & Technology Department. (ST# 12005A001)

COMP TIA TECH+ (Certification)- GENERAL COURSE DESCRIPTION: Computing technology has revolutionized our lives. From laptops to smartphones, social media to AI assistants, technology impacts how we communicate, work, and play. While most people own or have access to this type of tech, not everyone understands how it works or how best to use it. This course will touch on the most common types of computing devices, the basics of how computers function, and the ways we incorporate tech into our lives.
In this course, students will:

- Understand the role of technology as a resource.
- Explore the computing cycle.
- Compare the different types of computing devices.

Students will also get to learn by visiting the MHS Help Desk frequently, to assist with distribution, troubleshooting and repair of student issued Chromebooks. (ST#10256A000)

HELP DESK - GENERAL COURSE DESCRIPTION: Help Desk is an independent study course that may be taken any period of the day. The students in this course will work independently or in small groups to assist with distribution, troubleshooting, and use of school-issued chromebooks as part of the LEAD Moline project. Students may also engage in independent projects related to this curriculum. Additional meetings outside of the regular school day may be required. This course will be graded as pass/fail. PREREQUISITE: CompTIA Tech+ certification OR Middle School work experience OR teacher recommendation from other computer/programming courses.(ST#10297A000)

INTRODUCTION TO COMPUTER SCIENCE PLTW- GENERAL COURSE DESCRIPTION: This year-long course will introduce students to the field of Computer Science and Programming. This course will cover topics in logic, block-based coding, and text-based coding. Major keywords and concepts for basic programming are presented. Introduction to Computer Science topics include: flowcharts, pseudocode, spreadsheets, algorithms, variables, program structure, decision making, looping, modules, comparisons, functions, procedures, parameters, lists, exceptions, programming for mobile devices, and programming in Python. Introduction to Computer Science helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond. THE STUDENT: This course is intended for college-bound students or those who are interested in pursuing Computer Science as a career. This student is an organized, committed, critical thinker who is willing and eager to tackle challenging work, accept constructive criticism, collaborate, and conference as required. (ST#10152A001).

PLTW COMPUTER SCIENCE PRINCIPLES - GENERAL COURSE DESCRIPTION: This year-long course promotes computational thinking and coding fundamentals by using the Python language. Students will learn problem-solving strategies through modeling and simulations, program design and development, and the foundations of computer science. Key concepts include: data diligence, algorithms, abstraction, making predictions, simulating the real world, and future innovations. This is the second of what will be four courses. This will start the journey of becoming a software developer and lead into the third year course - AP Computer Science A. THE STUDENT: This course is intended for college-bound students or those who are interested in pursuing Computer Science as a career. This student is an organized, committed, critical thinker who is willing and eager to tackle challenging work, accept constructive criticism, collaborate, and conference as required. The course work can serve as preparation for those who wish to take the AP Computer Science Principles Examination, although taking the exam is not a requirement. PREREQUISITE: Successful completion of Introduction to Computer Science or students may take outside of that sequence with appropriate interest and aptitude. (ST#10152A002)

PLTW COMPUTER SCIENCE A - JAVA - GENERAL COURSE DESCRIPTION: Students cultivate their understanding of coding through analyzing, writing and testing code as they explore concepts like modularity, variables, and control structures. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes

object-oriented programming and design using the Java programming language. PREREQUISITE: Introduction to Computer Science or students may take outside of that sequence with appropriate interest and aptitude. (ST# 10155A001)

PLTW CYBERSECURITY - GENERAL COURSE DESCRIPTION: PLTW Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, “outside-the-box” thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security. PLTW Cybersecurity strongly connects to the National Cybersecurity Workforce Framework. Created by the National Institute of Standards and Technology (NIST), this framework identifies standards developed by numerous academic, industry, and government organizations. A grade of C or better in a PLTW course, such as Intro to Computer Science, Computer Science Principles, Computer Science A, or successful completion of CompTIA Tech+, or teacher recommendation. (ST# 10020A001)

ENGLISH DEPARTMENT

Triangulation of data will be used for placement in English courses. Appropriate placement will be based on district test scores, grades, and teacher recommendation.

Subject	Sem 1 Course No	Sem 2 Course No	Year	Prerequisites, Recommendation and Related Information
Literature and Language 1	EN 251	EN 252	9	None Recommendation required by eighth grade teacher and counselor
Honors English 1	EN317	EN318	9	Received A or B in eighth grade English and/or Recommendation required by eighth grade teacher and counselor
Reading 1	EN089	EN090	9	Test scores and/or recommendation of teacher Does not qualify for English credit or NCAA requirements
Freshman English		EN108	9	Recommendation of Literature and Language 1 teacher
Literature and Language 2	EN 253	EN 254	10	Grade 9 English Recommendation of teacher
Honors English 2	EN319	EN320	10	Received a C or better in Honors 1 and/or Recommendation of teacher
Sophomore English	EN109	EN110	10	Grade 9 English Recommendation of teacher
Reading 2	EN091	EN092	10	Test scores and/or recommendation of teacher Does not qualify for English credit or NCAA requirements.
Literature and Language 3	EN255	EN256	11	Grade 10 English Recommendation of teacher
*Comp 101 (Eng 101)	EN321		11-12	A passing score on the Black Hawk College reading (255 or higher) and writing (5 or higher) placement

				tests, or an ACT reading and writing scores of 19 or higher, or SAT reading and writing scores of 480 or higher. In addition to passing both the Reading and Writing Accuplacer, a student needs to have earned a C or better in Honors 2/Lit. and Language 3 and/or have the recommendation of Honors 2/Lit. and Language 3 teacher.
*Comp 102 (Eng 102)		EN 324	11-12	A passing grade of "C" or better in Composition 101 with a successful completion of BHC portfolio requirement.
*British Literature (Eng 221)		EN 322	11-12	A passing grade of "C" or better in Composition 101
Junior English	EN111	EN112	11	Grade 10 English Recommendation of teacher
College Prep Writing & Literature	EN 257	EN 258	12	Grade 11 English Recommendation of teacher
*AP English Literature & Composition (Eng 190)	EN 325		12	A passing grade of "C" or better in Composition 101
*AP English Literature & Composition (Eng 210)		EN 326	12	A passing grade of "C" or better in Composition 101
Senior English	EN113	EN114	12	Grade 11 English Recommendation of teacher
Acting	EN 299	EN300	9-12	None. Does not qualify for NCAA requirements
College & Technical Writing	EN 315	EN 316	11-12	Grade 10 English
*Communication Skills (Comm 100)	EN 285		12	Does not qualify for NCAA requirements
Creative Writing	EN 271	EN 272	11-12	Grade 10 English
Film and Literature Analysis	EN095	EN096	11-12	Grade 10 English. Does not qualify for NCAA requirements.
Humanities and Literature	EN 279	EN 280	11-12	Grade 10 English
Journalistic Writing	EN275	EN276	11-12	Grade 10 English
Mass Media	EN 281	EN 282	11-12	Grade 10 English. May involve purchase of special material for

				student projects. Does not qualify for NCAA requirements
*Public Speaking (Spec 101)	EN397	EN398	11-12	A grade of B or better in Lit Lang 2 or Lit Lang 3
Speech	EN097	EN098	10-12	None. College bound students are encouraged to enroll. May not count as admissions credit for English at some colleges. (Can be used to prepare for Public Speaking, Spec 101)
Theatre Arts and Literature Analysis	EN087	EN088	11-12	Grade 10 English. Does not qualify for NCAA requirements
Transitional English	EN101	EN102	9-12	Recommendation of teacher

NOTE: Departmental honors in English will be awarded to each senior who earns six semesters of "A"by the end of his or her seventh semester or six semesters of "A" and one "B" in honors level courses. Also, each senior completing the first semester of A.P. English Literature and Composition who does not have a grade lower than a B in other English classes will be honored.

NOTE: Composition 101 (ENG 101), Composition 102 (ENG 102), British Literature (ENG 221), Public Speaking (SPEC 101), AP English Literature & Composition (EN190), and Communication Skills (COMM 100) are dual credit courses with Black Hawk College, each worth 3 credit hours. A nominal college fee through Black Hawk College will apply.

NOTE: **All freshmen must be enrolled in Literature and Language 1 or Honors English 1. All sophomores must be enrolled in Literature and Language 2 or Sophomore English or Honors English 2. All juniors must be enrolled in Literature and Language 3 or Junior English or Composition 1 and Composition 2 or British Literature**. Elective English classes may not substitute for any of the courses listed above.

LITERATURE AND LANGUAGE 1 – GENERAL COURSE DESCRIPTION: This course will aid the students in the transition from middle school by concentrating on thinking, writing, and reading skills necessary for success in multiple academic areas. This course will help students develop writing skills focusing on composition, editing, and grammar. Writing strategies and rhetoric will be reinforced through the examination of various reading material ranging from classics to contemporary literature to informative and technical sources. Writing assignments will focus on the development and organization of sophisticated paragraphs in preparation for lengthier essays and will require students to use technology to share, edit and revise. In addition, skills such as paraphrasing, summarizing, and note taking will be emphasized to help students succeed across the high school curriculum. The English skill development for the students in this class will be the foundation for success in the Literature and Language 2 course. (ST# 01001A000)

HONORS ENGLISH 1 - GENERAL COURSE DESCRIPTION: The student is recommended to enroll in this class based on test scores, past performance, and/or teacher recommendation. This course focuses on complex, higher-level thinking skills, the study and analysis of various genres of literature, and the development of logical, analytical writing skills. Writing assignments will require students to use technology to share, edit, and revise. The course includes world literature, grammar, writing, and test preparation. It utilizes a variety of assessment formats, such as projects, oral presentations, expository

essays, and formal testing. Incoming students should have a strong work ethic and a willingness to seek help as needed. THE STUDENT: This course is meant for college-bound students of exceptional ability who are willing to accept the challenge of a fast-paced and academically demanding course. (ST# 01053A000)

READING 1 - GENERAL COURSE DESCRIPTION: The purpose of Reading 1 is to help freshman students who are reading below grade level, enabling them to become effective readers through a remediation process. Students' reading achievement will be increased through a concentrated study of reading skills and strategies. The class also supports students in their content area courses while reinforcing strategies in vocabulary, comprehension, fluency, and text familiarity. Students who enroll in this course will also be taking Literature and Language 1 to satisfy their English requirements for graduation. Placement into Reading 1 is based upon various test scores and teacher recommendation. Does not qualify for English credit or NCAA requirements. THE STUDENT: This course is designed for the student who needs additional emphasis on reading skills and strategies. (ST# 01066A000)

FRESHMEN ENGLISH- GENERAL COURSE DESCRIPTION: This course is designed for students who need a reinforcement of the skills necessary for success in Literature and Language 1. Variables that may determine eligibility will be student growth assessment scores, MAP scores, and teacher evaluation. Students will be placed in this course by teacher recommendation only. Students will read grade level texts with scaffolding where necessary. Students will develop writing skills that will prepare them for success in Literature and Language 2. (ST# 01139A000)

LITERATURE AND LANGUAGE 2 - GENERAL COURSE DESCRIPTION: Expanding the elements of Literature and Language 1, this course will help students develop skills focusing on editing, reading, and grammar. Writing strategies will be reinforced through the examination of various reading materials ranging from classic and contemporary literature to informative and nonfiction sources. Special emphasis will be given to the writing skills needed to succeed in both the public and higher education spheres as outlined in Common Core standards. In addition, students will learn appropriate use of technology in facilitating 21st Century Learning skills through research, composition, and enrichment. The English skill development for the students in this class will be the foundation for success in the Literature and Language 3 course. (ST# 01002A000)

HONORS ENGLISH 2 - GENERAL COURSE DESCRIPTION: The student is invited to participate in this class based on past performance, test scores, and/or teacher recommendation. This course focuses on complex, higher-level thinking skills through the study and analysis of various genres of literature. Honors English 2 concentrates primarily on American literature, focusing on its themes and style. Analytical thinking is reinforced through essay writing, research projects, formal and informal presentations, critical listening, and a variety of testing experiences. THE STUDENT: This course is meant for college-bound students of exceptional ability who are willing to accept the challenge of a fast-paced, academically challenging course. (ST#01054A000)

SOPHOMORE ENGLISH- GENERAL COURSE DESCRIPTION: This course is designed for students who need a reinforcement of the skills necessary for success in Literature and Language 2. Variables that may determine eligibility will be student growth assessment scores, MAP scores, and teacher evaluation. Students will be placed in this course by teacher recommendation only. Students will read grade level texts with scaffolding where necessary. Students will develop writing skills that will prepare them for success in Literature and Language 3 or Junior English. (ST# 01139A000)

READING 2 - GENERAL COURSE DESCRIPTION: The purpose of Reading 2 is to help sophomore students who are reading below grade level, enabling them to become effective readers through a

remediation process. Students' reading achievement will be increased through a concentrated study of reading skills and strategies. The class also supports students in their content area courses while reinforcing strategies in vocabulary, comprehension, fluency, and text familiarity. Students who enroll in this course will also be taking Literature and Language 2 to satisfy their English requirements for graduation. Placement into Reading 2 is based upon various test scores and teacher recommendation. Does not qualify for English credit or NCAA requirements. THE STUDENT: This course is designed for the student who needs additional emphasis on reading skills and strategies. (ST# 01067A000)

LITERATURE AND LANGUAGE 3 - GENERAL COURSE DESCRIPTION: Continuing with the elements from the freshman and sophomore years, this course will focus on text analysis, composition elements, and public speaking. The strong writing emphasis is reinforced with a variety of essay tasks, both in-class timed essays and out-of-class longer essays. Each semester will focus on reading skills, argumentative writing, research and MLA documentation. The readings for this course will serve as a model and basis for writing and will lead to a proficiency in close reading and literary analysis. Students who successfully complete this course will be prepared for senior-level courses. (ST# 01003A000)

COMP 101 (ENGLISH 101) - GENERAL COURSE DESCRIPTION: English 101, a dual credit course, is designed for students who already have a solid foundation in composition and demonstrate an extensive knowledge of grammar. Students will collaborate to explore a variety of writing modes by reading, discussing, and writing about examples of good writing and will develop their own polished essays from the prewriting and drafting stages through a series of revisions and editing. Also, students will use research materials to produce correctly documented papers. To gain the college credit, students must meet the BHC portfolio requirement AND achieve a grade of "C" or better in the class, including a minimum average "C" on all essays. If the student has concerns about being ready for a dual credit course, he/she should consider taking College Writing. THE STUDENT: This course is intended for college-bound students who want an in-depth study of the writing process as well as a college freshman English composition credit. This student is an organized, committed critical thinker who is willing and eager to tackle challenging work, accept constructive criticism, collaborate, and conference as required. PREREQUISITE: A passing score on the Black Hawk College writing and reading placement tests, an ACT English or Reading subtests minimum score of 22, or SAT scores of 480 in reading and 480 in writing. In addition to passing both the Reading and Writing Accuplacer, a student needs to have earned a C or better in Honors 2 or Lit. and Language 3 and/or have the recommendation of Honors 2/Lit. and Language 3 teacher. COST: There will be a fee required by Black Hawk College. (ST# 01005A000)

COMP 102 (ENGLISH 102) –GENERAL COURSE DESCRIPTION: English102, a continuation of English 101, is a dual credit composition course that involves reading, discussion, and analysis of nonfiction to generate ideas for critical and persuasive, documented research papers. Students will analyze, evaluate, interpret, and respond in writing to texts from a balanced variety of academic disciplines. They will design and develop logical arguments in essays addressing all sides of an issue avoiding fallacies, establishing voice, providing support, and establishing credibility. Students will apply the conventions of edited American English in all their work. To gain the college credit, students must achieve a grade of "C" or better in the class, including a minimum average "C" on all essays. THE STUDENT: Students who successfully complete English 102 may complete their college freshman English requirement with this course. This student is an organized, committed critical thinker who is willing and eager to tackle challenging work, meet deadlines, accept constructive criticism, collaborate, and conference as necessary PREREQUISITE: A passing grade of "C" or better in Composition 101.There will be a fee required by Black Hawk College. (ST# 01005A000)

BRITISH LITERATURE (ENGLISH 221) – GENERAL COURSE DESCRIPTION: British Literature, a dual credit course, focuses on representative literature from English, Irish, and Welsh authors. Works span the Anglo Saxon "Sir Gawain and the Green Knight" to Chaucer's *Canterbury Tales* to King Arthur and the Round Table to the Romantic Age with Keats, Byron, & Shelley. Students will also have the opportunity to read independently and present a choice novel such as *Frankenstein, Morte D'Arthur*, and others. Assignments and discussions delve into the various literary genres, cultural connections, and stylistic differences of the times. An exploration of British literature reflects the evolution of Western Civilization art and culture. THE STUDENT: Academically capable Juniors and Seniors who enjoy reading different kinds of historical texts. Many of these texts have influenced today's literary and cinematic worlds. Students who successfully complete BRITISH LITERATURE will earn credit for an English elective at the college level. PREREQUISITE: A passing grade of "C" or better in Composition 101. There will be a fee required by Black Hawk College. (ST# 01056A000)

JUNIOR ENGLISH - GENERAL COURSE DESCRIPTION: Continuing with the elements from the freshman and sophomore years, this course will focus on improving a student's ability to comprehend a variety of texts, both fiction and non-fiction, enhancing the student's writing skills, and developing public speaking skills. The readings for this course will serve as a basis for writing and presentations. Students who successfully complete this course will be prepared for senior-level courses. This course differs from Literature and Language 3 in that it provides foundational students with added support and instruction in basic English Language Arts skills necessary for success beyond high school. THE STUDENT: Students will be placed into this course based on teacher recommendations and data that reflect a student's skill level.(ST# 01003A000)

COLLEGE PREP WRITING & LITERATURE - GENERAL COURSE DESCRIPTION: The course will allow students time and opportunity to perfect the English skills that they have learned during their high school years: reading comprehension, writing clarity, researching, and presenting. Addressing modern themes and issues, the students will be analyzing fiction and non-fiction works that will provide background and insight into the focus for each unit. Using technology to research, edit, and revise their works, the students will be writing MLA documented essays and presentations that will prepare them for the level of writing required in college. This course will require students to use critical thinking skills through the analysis of various forms of media. In addition, this course will promote and refine the multiple common core standards necessary for student success at the next level. THE STUDENT: This course is meant for the college and/or career bound student who likes the variety of working with both literature and composition and is willing to devote time outside of class to prepare. (ST#01004A000)

AP ENGLISH: LITERATURE AND COMPOSITION (SEM. 1 - ENGLISH 190 INTRODUCTION TO LITERATURE, SEM 2 - ENG 210 - INTRODUCTION TO FICTION) GENERAL COURSE DESCRIPTION: Advanced Placement English, a dual credit course , involves students in both the study and practice of writing and the study of literature. They will learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies. Through speaking, listening, and reading, but chiefly through the experience of their own writing, students will become more aware of the resources of language: connotation, metaphor, irony, syntax, and tone. Writing assignments will focus on the critical analysis of literature and will include essays in exposition and argument. Students will also be engaged in the careful reading of literature. They will intensively study a few representative works of poetry, drama, prose, fiction, and expository writing. They will concentrate on works of recognized literary merit, worthy of scrutiny because their richness of thought and language challenges the reader. Second semester will emphasize analysis of a novel and shorter works of fiction. THE STUDENT: This course is designed for highly capable college-bound seniors. These students must be willing to commit consistent effort and substantial time to careful study of both literature and composition. The course work can serve

as preparation for those who wish to take the AP English Examination, although taking the exam is not a requirement. PREREQUISITE: A passing grade of "C" or better in Composition 101. COST: There will be a fee required by Black Hawk College. (ST# 01006A000)

SENIOR ENGLISH - GENERAL COURSE DESCRIPTION: This is a course offering instruction that focuses on developing skills in reading, writing, and grammar usage. The reading selections will focus on both fiction and non-fiction, and the writing selections will address practical and academic writing. This course is designed to prepare students in reading and writing for post-secondary work. THE STUDENT: The student who enrolls in this course is one who will benefit from a developmental approach to reading and writing to prepare for post-secondary work. (ST# 01004A000)

ACTING - GENERAL COURSE DESCRIPTION: The class introduces the student to beginning acting techniques and theater appreciation. The course helps students to use the language of theater, create theater, and analyze scripts and performances for meaning and intent. Students develop lifelong skills such as creative problem-solving, teamwork, relaxation, concentration, movement, voice, improvisation, and audition/interview skills as well as the academic skills of reading and writing. Does not qualify for NCAA requirements. THE STUDENT: This course is geared to a special interest, and it can accommodate students with this interest, regardless of ability. (ST#05055A000)

COLLEGE & TECHNICAL WRITING - GENERAL COURSE DESCRIPTION: This writing course is designed to help students who need additional practice and support in mastering polished writing for college, internships, and contemporary workplace environments. Assignments focus on tasks that build planning, organization, clarity, and editing skills. The course includes methods to adapt writing to different audiences, purposes, and contexts. Students will also examine a variety of professional writing samples to gain an understanding of the skills needed to successfully communicate through professionally written emails, memos, business letters, and various types of reports and analyses. Students may read technical, non-fiction, and research-driven texts. This course will also focus on essential employability skill development including collaborative activities, active listening, strong work ethic, and personal accountability. THE STUDENT: This course is designed for students who have acquired fundamental writing skills but may need some additional practice and support in order to be ready for college or career. (ST# 01103A000)

COMMUNICATION SKILLS - GENERAL COURSE DESCRIPTION: This course will serve as an English requirement in the CNC Manufacturing Apprenticeship program being offered at Moline High School. It will serve students who are in a career-oriented program, matching the school's initiative in this area. Students will also be able to earn dual credit through Black Hawk College in a CTE pathway. Upon successful completion of this course, the student shall be able to demonstrate the following skills: gather, organize, and express ideas in oral and written form; listen and read with concentration, understanding, and discernment; perform research; document sources used in both written and oral presentations; prepare a job application letter, resume, and other business communication; contribute to group discussions as a leader and/or a participant. Does not qualify for NCAA requirements. (ST# 01156A000)

CREATIVE WRITING - GENERAL COURSE DESCRIPTION: Students choosing Creative Writing should enjoy writing daily for a variety of purposes. Students will read samples of poetry and short fiction almost daily as part of their exposure to various genres and styles of creative writing. Students should be willing to reach outside of their comfort zone in creating and sharing their writing projects. This is a writing intensive course. Students will be expected to write daily for both short and long-term projects. Students should be willing to explore and work daily on their creative expression. (ST# 01104A000)

FILM AND LITERATURE ANALYSIS – GENERAL COURSE DESCRIPTION: Film and Literature Analysis is a class for students who have an interest in film. Utilizing an historical approach to several literature and film genres, students will focus on developing strong analytical writing through the study of short stories, novels, essays, and films. Students should have an understanding of basic literary terms (e.g., narrative techniques, characterization, theme, tone, figurative language, irony) and be able to analyze their use within the works presented in class. Written analysis of the different genres will be expected each quarter. In addition, students will learn to critically view a film by analyzing devices unique to cinema. Does not qualify for NCAA requirements. THE STUDENT: Since several films will be viewed during class, excellent attendance is necessary. Also, the student will be asked to read at least two novels during the semester. Most of the reading and writing assignments will need to be done outside of class. (ST# 11056A000)

HUMANITIES AND LITERATURE – GENERAL COURSE DESCRIPTION: Humanities is a study of the various art forms in our culture-architecture, music, literature, film, and visual arts. Students are asked to evaluate and analyze memorable pieces and the connections of their roots, whether they be from Africa, Asia, Latin America, or Europe. Students work on organizing their analysis into essay form, a skill that can transfer to college, work, and life in general. This course promotes critical thinking skills and a greater understanding of cultural literacy. (ST# 01055A000)

JOURNALISTIC WRITING – GENERAL COURSE DESCRIPTION: Journalistic Writing will familiarize students with the fundamentals of news reporting including developing a story, the writing process, publication, and legal considerations. They will put these fundamentals into practical application. Concentration on the areas of news, reporting, and interviewing will enable the students to better understand the fields of print and broadcast journalism. The format of the course will include a study of various areas of communication and of the writing that is required for each. Different areas of writing (news, feature, editorials, and sports) will be investigated for both content and style. Students will be responsible for writing articles and contributing to the school newspaper. (ST# 11101A000)

MASS MEDIA - GENERAL COURSE DESCRIPTION: This course will help students gain an understanding of how mass communication technologies impact society. Various media explored in this course include advertising, television, film, and various internet platforms. Students will recognize the role of media in changing political, social, and cultural dynamics. The completion of several group and independent projects is required. Does not qualify for NCAA requirements. THE STUDENT: This course is meant for students who have an interest in how mass media influences society and who are comfortable using various technologies. (ST# 11001A000)

PUBLIC SPEAKING (PRINCIPLES OF SPEECH COMMUNICATION 101) - GENERAL COURSE DESCRIPTION: This dual credit course offered by Moline High School and Black Hawk College, is considered a “basic requirement” in the majority of four-year colleges. Students will develop sophisticated communication skills such as oratory, rhetorical structure, voice inflection, register, vocal variety, and audience analysis. Students will also apply, utilize, and create effective communication enhanced by technology, while they learn to synthesize their research skills in both written and oral circumstance. If the student has concerns about handling the rigor of a college course, he/she should take Speech that covers the basics of speaking and presenting in a more modulated manner. THE STUDENT: College-bound students who want an in-depth study of the communication process as well as college credit. This student is an organized, committed critical thinker who is willing and eager to tackle challenging work, accept and grow from constructive criticism, collaborate, and conference with the instructor as necessary. There will be a fee required by Black Hawk College. (ST#01151A000)

SPEECH – GENERAL COURSE DESCRIPTION: Speech is a participation course designed to help the students gain poise and confidence, learn to organize and express their ideas, and become aware of the skills of speaking and listening. A variety of speech situations will be explored. This course could be used to prepare for the dual credit Public Speaking course. THE STUDENT: This course is geared to a special interest, and it can accommodate any student with this interest, regardless of ability. (ST# 01151A000)

THEATRE ARTS AND LITERATURE ANALYSIS - GENERAL COURSE DESCRIPTION: Theatre Arts and Literature Analysis is an intensive course for students who have an interest in theater and wish to study the variety of careers in theater. The course will include theater criticism, theater history, playwriting, directing, dramaturgy, and the basics of acting and technical theater. Does not qualify for NCAA requirements. THE STUDENT: The students in this class should have a reading ability which allows them to deal with plays and theater reviews. They should also be capable of some abstract reasoning and produce analytical writing. (ST#01061A000)

TRANSITIONAL ENGLISH - GENERAL COURSE DESCRIPTION: Transitional English is designed to be a skill-building bridge between the self-contained ELL courses and our "mainstream" English courses. The curriculum will encompass speaking and listening opportunities both in small groups and whole class; building student vocabulary, both social and academic; practicing reading strategies to develop comprehension and critical thinking skills in fiction and nonfiction materials; developing writing skills for a variety of audiences; and exploring post-secondary options. The Transitional English class is for our English language learners who have NOT already taken or passed a Lit & Lang or Junior/Senior English course. Enrollment in this class is restricted. (ST#01009A000)

FAMILY AND CONSUMER SCIENCE

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendation and Related Information
Adult Living	HE601	HE602	11-12	None
Child Development	HE603	HE604	10-12	None
Parenting	HE597	HE598	9-12	None
Interior Design	HE617	HE618	10-12	None
Foods & Nutrition 1	HE621	HE622	9-12	None
Foods & Nutrition 2	HE623	HE624	9-12	Foods & Nutrition 1
International Foods	HE645		10-12	Foods 2 with C or above or recommendation of the teacher
Food Service Occupations 1		HE626	10-12	Foods 2 with C or above or recommendation of the teacher
Advanced Foods Service Occupations 2		HE630	11-12	Food Service Occupations 1 with C or above or recommendation of the teacher

NOTE: Departmental honors in Family and Consumer Sciences will be awarded to each senior who has earned four semesters of A.

FAMILY AND CONSUMER SCIENCES DEPARTMENT COURSE DESCRIPTIONS

ADULT LIVING - GENERAL COURSE DESCRIPTION: This course is designed to assist students in achieving satisfaction in life through responsible participation as adults in the home, community and workplace. Units covered are personality and basic needs, goal-setting, decision-making, family structure, communication, stress, teen relationships, singlehood, mate selection, engagements and weddings, marital adjustments, family crises, becoming a parent, retirement, aging and death. THE STUDENT: This course relates directly to the student's present and future needs. Special emphasis on teen problems include dating, teen pregnancy, abuse, and stress helps the student realize their own situations in relation to others. Various discussions, guest speakers, and current literature is used to reinforce learning. (ST# 22207A001)

CHILD DEVELOPMENT - GENERAL COURSE DESCRIPTION: Child Development emphasizes learning experiences which help students gain understanding of the physical, intellectual, social, and emotional development of infants and young children. Students also study prenatal care and childbirth. The course content centers around meeting children's needs in order to help them develop to their full potential. Other topics included are food and nutrition, health care, and safety as they relate to infants, toddlers, and preschoolers. Information related to careers in child care is incorporated into the course. THE STUDENT: A class for students interested in understanding and caring for young children. Information gained in this class could be used in a job related to child care and also in their own personal family situations now and in the future. (ST#19052A001)

PARENTING - GENERAL COURSE DESCRIPTION: This course is designed to help students think through the responsibilities, satisfactions, and stresses of parenthood. The course content includes preparing for parenthood and caring for, nurturing, and guiding the infant, toddler, preschooler, school age child, and the adolescent. Special focus is given to the importance of readiness for parenthood, stress prevention and management, and the work of community agencies that help parents deal with various types of parenting crises. Opportunities are provided to develop skills in resource management and decision making. The course offers a comprehensive treatment of the subject for a person who is considering ever becoming a parent or who is a parent. Emphasis is given to raising physically and emotionally healthy children and building positive parent-child relationships. THE STUDENT: A course for the student who is interested in gaining insight into successful parent-child relationships. Practical information such as characteristics of successful parents, prenatal and infant care, health, nutrition and safety of children, discipline and building character and self-esteem will be presented in class. Students care for the Baby-Think-It-Over simulator for three days or write an equivalent paper. (ST# 19052A001)

INTERIOR DESIGN - GENERAL COURSE DESCRIPTION: The course provides classroom experiences to introduce the student to the interior design and home furnishings field. Selection and placement of furniture, accessories, equipment, and lighting are studied. Students also learn principles of kitchen and bathroom design as well as how to analyze floor plans. The application of the elements and principles of design is emphasized throughout the course. Class projects and activities help students learn how to select materials for walls, floors, upholstered furniture, and window treatments. This course also introduces students to the many career opportunities in housing-related fields. STUDENT: All students would find this course of value since our home environment influences us all. The course is designed so that students can express themselves through various individual projects. (ST# 22211A001)

FOODS AND NUTRITION 1 - GENERAL COURSE DESCRIPTION: Foods and Nutrition 1 is a beginners food course which stresses the importance of correct measuring, kitchen safety, following recipes, use and care of kitchen equipment, and sanitation. This class focuses on healthy food choices. Food preparation units include baking yeast and quick breads, cookies, preparing fruits and vegetables, eggs, cheese dishes, and soups. THE STUDENT: This elective course is open to any year student who has an interest in foods vocationally or as enrichment. It is a good basis for students interested in food service. (ST# 16054A001)

FOODS AND NUTRITION 2 - GENERAL COURSE DESCRIPTION: In this second level course, more attention is paid to food selection for health, wise food purchasing, and food presentation. Food safety and accurate measuring are reviewed. Course content includes the following areas of emphasis: current nutritional issues; food purchasing; prevention of food-borne illnesses; and healthy lifestyle choices. Laboratory experiences include preparing appetizers and salads, meat dishes, pastries, nutritious snacks,

rice, pasta and whole grain dishes, and candies. THE STUDENT: This elective semester course is open to those having successfully completed Foods 1. (ST#16054A001)

FOOD SERVICE OCCUPATIONS 1 - GENERAL COURSE DESCRIPTION: Food service is an elective course open to students who have completed Foods 1 and 2. It is a skill level course combining the creativity of foods with a food service emphasis. BAsic and current information on many kinds of foods and food service operations is explored. Skills will be further developed through various laboratory experiences. Some highlights of the course include cake decorating; catering fancy party sandwiches and desserts; commercial food preparation; menu planning and meal planning; preparing and serving a luncheon for the staff. THE STUDENT: This semester course stresses creativity in connection with food service skills. Students will have hands-on experience in commercial food preparation with quality and presentation emphasis. Students are exposed to the food service and sanitation curriculum used for the State Food Sanitation Exam. (ST# 16052A001)

INTERNATIONAL FOODS - GENERAL COURSE DESCRIPTION: International Foods is an elective course open to students who have completed Foods 1 and 2 with a C or above or by recommendation of the teacher. It is a semester course which includes the study of foods from foreign countries and their influences on American Cuisine. Other units of study include ingredient substitutions for recipes, microwaving techniques, and small kitchen appliances. THE STUDENT: A large segment of this semester course includes the study of foreign foods. Students cover foods grown, recipes, climate, and customs from various countries; foods from those countries are prepared and tasted in class. Students need to be open to tasting ALL the foods from different cultures (ST# 16054A002)

ADVANCED FOOD SERVICE OCCUPATIONS 2 - GENERAL COURSE DESCRIPTION: Advanced Food Service 2 is a semester course open to students who have completed Foods 1 and 2. Topics covered in this skills level of foods are as follows: Vegetarian Meals, Low Cholesterol, Fish and Seafood and Poultry. Learning about serving methods helps students when planning, preparing, serving and evaluating complete meals. THE STUDENT: This Advanced Foods and Nutrition course covers new topics not touched upon in lower level foods courses. Course content is continually updated to include current topics of interest. (ST# 16054A002)

GROW YOUR OWN TEACHER PREPARATION PROGRAM

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendations and Related Information
Blueprint for Teaching	VT101	VT102	10-12	None
Architecture of Curriculum and Instruction	VT103	VT104	11-12	Blue for Teaching
Constructing a Learning Community	VT105	VT106	12	Blueprint for Teaching, Architecture of Curriculum and Instruction
NOTE: Departmental honors in Grow Your Own will be awarded to each senior who has earned six semesters of A.				

PURPOSE:
• To identify, train, and nurture high school students interested in a teaching career;
• To create a high school curricular experience designed to foster student interest, understanding, and appreciation of the teaching profession;
• To recruit more minority teachers to the teaching profession;
• To create a pipeline of Moline-Coal Valley graduates to be hired as teachers in the same district in which they attended upon college graduation

BLUEPRINT FOR TEACHING - GENERAL COURSE DESCRIPTION: This course is designed as an overview of the foundations of the teaching profession, including the basic values, structure, organization, and programming of teaching. Students will gain knowledge of a variety of educational theories and will observe professionals in the classroom. This course is required for Architecture of Curriculum and Instruction. **Course objectives**: 1) demonstrate the ability to interact professionally with peers and district faculty and staff 2) evaluate/reflect the extent to which he/she possesses or needs to develop the dispositions characteristic of effective teachers 3) assess career interest in the teaching profession 4) become knowledgeable of the executive, interactive, and organizational functions of teaching 5) identify the impact of classroom management as it pertains to the classroom environment and learning 6) identify significant influences on education and the characteristics of twenty-first century teachers 7) formulate a beginning philosophy of education. **FIELD EXPERIENCES**: Students will be provided continuous on-site field experiences where they will visit classrooms in our district, meet with a mentor teacher, and be able to apply knowledge they have learned in their course first- hand. Students must provide their own transportation. (ST# 19151A001)

ARCHITECTURE OF CURRICULUM AND INSTRUCTION - GENERAL COURSE DESCRIPTION: In this course students will learn about the teachers main mission: enhancing student learning. Students will apply theories while creating effective learning activities. Students will also evaluate and reflect on the observations of a variety of professionals in the field of education. This course is required for Constructing a Learning Community.
Course objectives: Upon completion of this course, the student should be able to: demonstrate the ability to interact professionally with peers and district faculty and staff, evaluate/reflect the extent to which he/she possesses or needs to develop the dispositions characteristic of effective teachers, identify and apply the elements of universal design to effective instruction, apply significant influences on education;

including theories and pedagogy, and develop learning activities that utilize the components of developmentally appropriate instructional design and the needs of diverse learners.
FIELD EXPERIENCES: Students will be provided continuous on-site field experiences where they will visit classrooms in our district, meet with a mentor teacher, and be able to apply knowledge they have learned in their course first-hand. Students must provide their own transportation. (ST# 19152A001)

CONSTRUCTING A LEARNING COMMUNITY - GENERAL COURSE DESCRIPTION: This course is designed to further enhance the student's ability to apply and implement educational theories and pedagogies as it pertains to the classroom environment. Students will evaluate and engage in a constructive learning community over the duration of their field experience with a mentor teacher.
Course objectives: Upon completion of this course, the student should be able to: demonstrate the ability to interact professionally with peers and district faculty and staff, evaluate/reflect the extent to which he/she possesses or needs to develop the dispositions characteristic of effective teachers, implement learning activities that utilize the components of developmentally appropriate instructional design and the needs of diverse learners, identify strategies for creating a plan for a positive and safe classroom environment, evaluate the effectiveness of a variety of classroom management strategies, learn the major components of professional teaching and learning standards for the state of Illinois and the role of these standards in the certification and teaching, and create and defend a philosophy of education.
FIELD EXPERIENCES: Students will be provided continuous on-site field experiences where they will visit classrooms in our district, meet with a mentor teacher, and be able to apply knowledge they have learned in their course first-hand. Students must provide their own transportation. (ST# 19154A001)

MANUFACTURING & ENGINEERING DEPARTMENT

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendation, and Related Information
Photography Arts	VT709	VT710	9-12	None
Advanced Photography Arts		VT712	9-12	Photography Arts
*Machine Tech 1	VT719		10-12	None
*Machine Tech 2		VT722	10-12	Machine Technology 1
CNC Machine Mfg 1	VT071		11-12	Machine Technology 1 & Machine Technology 2
CNC Machine Mfg 2		VT072	11-12	CNC Manufacturing 1
CNC Advanced Mfg	VT073	VT074	12	CNC Machine 1&2; co-requisite with CNC Tech Math
CNC Apprenticeship	VT075	VT076	12	Must be concurrently enrolled in CNC Advanced Manufacturing; application required
Diversified Occupations	CO853	CO854	11-12	Coordinator Approval and Application
*Welding 1	VT755		11-12	Machine Technology 1 recommended
*Welding 2		VT756	11-12	Welding 1
Advanced Welding	VT895	VT896	12	Welding 1/Welding 2
Welding Apprenticeship	VT897	VT898	12	Must be enrolled in Advanced Welding
Wood Production Technology	VT759	VT760	9-12	None
Wood Technology 2		VT762	9-12	Wood Production Technology required
Home Maintenance/Construction	VT081	VT082	9-12	None
***Introduction to Engineering Design (IED)**	VT495	VT496	9-12	Counselor/Teacher recommendation required Algebra
Principles of Engineering (POE)	VT497	VT498	10-12	Introduction to Engineering Design required

Computer Integrated Manufacturing (CIM)	VT503	VT504	11-12	Introduction to Engineering Design and Principles of Engineering required
Civil Engineering and Architecture	VT491	VT492	11-12	Introduction to Engineering Design and Principles of Engineering required

NOTE: Departmental honors in Manufacturing & Engineering will be awarded to: Each senior evaluated on academic excellence, broad participation in the department, cooperation, attendance patterns, work habits and attitudes.
NOTE: Departmental honors in Engineering will be awarded to seniors enrolled in 8 semesters of PLTW Engineering courses maintaining a 4.0 GPA for the courses.

***Machine Technology 1 (ENGT 104) and Machine Technology 2 (ENGT 180) are dual credit with Black Hawk College. A nominal college fee through Black Hawk College will apply.**
***Welding 1 (WLD 101, WLD 102) and Welding 2 (WLD 120) are dual credit with Black Hawk College. A nominal college fee through Black Hawk College will apply.**
*Introduction to Engineering Design (IED), (ENGT 100, 101, 102) is an articulated credit with Black Hawk College for students in the CNC program.

MANUFACTURING & ENGINEERING DEPARTMENT COURSE DESCRIPTIONS

PHOTOGRAPHY ARTS - GENERAL COURSE DESCRIPTION: The Photography Arts course provides high school students with a practical introduction to the fundamentals of photography. This course covers essential aspects of capturing and editing images, focusing on both technical skills and artistic expression. Students will learn about camera operation, including different types of cameras and lenses, as well as basic principles of composition and lighting. The course also includes training in post-processing techniques to enhance and refine images. Assignments will involve both individual and group work, with opportunities to build a portfolio of images. The course aims to provide students with a solid foundation in photography and an understanding of its role as an art form. (ST# 1154A001)

ADVANCED PHOTOGRAPHY ARTS - GENERAL COURSE DESCRIPTION: This advanced photography course builds upon the foundational knowledge gained in Photography Arts. Students will delve deeper into the technical aspects of photography, explore advanced compositional techniques, and experiment with various photographic styles and genres. Through in-depth projects and assignments, students will refine their artistic vision and develop a unique photographic voice. (ST# 11154A002)

MACHINE TECHNOLOGY 1 - GENERAL COURSE DESCRIPTION: This is an orientation course covering the following units: technology, management, materials and processes, research and development, production, marketing and service. Machine Technology will introduce the student to the basic concepts of manufacturing products of metal. The student will be exposed to the lathe, milling machine, drill press, grinders and the foundry. Learning will take place through the construction of products along with lectures, demonstrations, and visual aids. THE STUDENT: This course is designed to be exploratory for the student who is interested in knowing how a product is developed from an idea to a finished item. Satisfies Technical Concentration requirements. Students will supply their own safety glasses. Safety glasses are available in the bookstore or from local vendors at a nominal cost. Students

enrolled in this course can also take the course as a Black Hawk College dual credit course. A fee is required for students taking the course as a dual credit. (ST# 13203A001)

MACHINE TECHNOLOGY 2 - GENERAL COURSE DESCRIPTION: In Machine Technology 2 the students will develop greater skills and understanding of machine metal working processes. More complex set-ups, measuring and machining will take place in a laboratory setting. THE STUDENT: This course will be of interest to any student whose occupational goals involve the student of manufacturing. Occupational goals may include employment, continuing education and apprenticeship training, trade school or baccalaureate degree. Satisfies Technical Concentration requirements. **Students will supply their own safety glasses**. Safety glasses are available in the bookstore or from local vendors at a nominal cost. Students enrolled in this course can also take the course as a Black Hawk College dual credit course. A fee is required for students taking the course as a dual credit. (ST# 13203A002)

CNC MACHINE MANUFACTURING 1 - GENERAL COURSE DESCRIPTION: This course introduces students to computer numeric control machines used in manufacturing today. Students will learn the basic G and M coding used to create basic parts on the CNC Mill and CNC Lathe. CNC Manufacturing will reinforce the understanding of safety, blueprint reading, tolerancing, maintenance, and precision measuring. THE STUDENT: Must have excelled in Machine Tech 1 and Machine Tech 2 or Intro to Engineering Design. Students will provide their own safety glasses. Safety glasses are available in the bookstore and from local vendors at a nominal cost. (ST# 13203A005)

CNC MACHINE MANUFACTURING 2 - GENERAL COURSE DESCRIPTION: The CNC Manufacturing technology class will allow the students to gain a greater understanding of computer numerical control machines. The students will learn advanced application of G and M coding for more complex parts to be created on CNC lathe and CNC Mill. The operator of the machine will learn set-up, offsets, and inspection of the part being produced. The students will also seek shadowing opportunities with local manufacturing CNC operators. Occupational goals are to be able to do the CNC tasks that are required on a day to day basis at the local manufacturing companies. Student: Must have excelled in CNC Manufacturing Technology I. Students will provide their own safety glasses. Safety glasses are available in the bookstore and from local vendors at a nominal cost. (ST# 13203A006)

CNC ADVANCED MANUFACTURING - GENERAL COURSE DESCRIPTION: The CNC Advanced Manufacturing Technology class will allow the students to gain a greater understanding of CNC lathes and CNC vertical milling machines. The student will learn advanced applicationS of G and M coding for more complex parts to be created on CNC lathes and CNC mills. The operator of the machine will learn advanced set-ups, offsetting, maintenance, mass production, and inspection of the part being produced. The student should be concurrently enrolled in the CNC Apprenticeship course, where the advanced manufacturing curriculum supports the student's work experience with local manufacturing CNC operators. Additionally, students must be concurrently enrolled in CNC Tech Math, which will meet in the CNC lab. Occupational goals are to be able to do the CNC tasks that are required on a day to day basis at the local manufacturing companies. Student: Must have excelled in CNC Manufacturing Technology I. **Students will provide their own safety glasses.** Safety glasses are available in the bookstore and from local vendors at a nominal cost. (ST# 13204A000)

CNC APPRENTICESHIP - GENERAL COURSE DESCRIPTION: This course is the culminating high school experience for students who have taken the CNC Manufacturing Course sequence through their sophomore and junior years. Instruction for this course will take place outside the school setting at an industry location in the greater Quad City area. Students will be selected for this course through an application (attendance, discipline, and willingness to work with others will be considered) and pairing

process near the end of the junior year, and on-the-job work experience and training will begin as a full-time summer job between the junior and senior years. This placement will continue through the senior year for course credit. Students should anticipate the full apprenticeship experience to take 3-4 years beyond high school graduation to complete. Apprenticeship completion will result in federally registered certification for CNC Set-Up Programmer Milling and Turning through the Department of Labor, and carries with it articulated credit from Black Hawk College (DOL Program #2019-IL-73039). Students must be concurrently enrolled in CNC Advanced Manufacturing (VT073/074) in order to qualify for this course. Further program details are available through the building principal or the course instructor. THE STUDENT: To be selected for the apprenticeship, students must complete the following as part of their application process: recommendation by teacher, met requirements of previous welding courses, resume, interviewed and accepted by company, and be in good academic standing as well as on track for graduation. (ST# 13998A000)

DIVERSIFIED OCCUPATIONS - GENERAL COURSE DESCRIPTION: This course is open to students who have an aptitude and desire to work in a part-time job while also attending school. Students will gain knowledge and skills related to obtaining jobs and more importantly keeping a job. This course is not skill specific as the other co-op courses but emphasizes basic job entry skills and "soft" skills needed to retain or advance in a specific job. Students will earn 1/2 credit for the classroom instruction and 1/2 credit for the on-the-job training instruction each semester. The student will not receive credit for the OJT part of this course unless they maintain a minimum hours worked during the course. THE STUDENT: To be accepted into this program a student must demonstrate a good attitude, attendance, and discipline record. While students may keep a prior job, it is not required for admittance to this program. A willingness to work is required. Transportation to the job site is the responsibility of the student. (ST# 22153A001)

WELDING 1 - GENERAL COURSE DESCRIPTION: This is a welding course for the beginner. The course covers the basic arc welding process and provides the fundamentals and skills necessary to produce quality welds. All types of welding joints are covered and welds are made in the flat & horizontal positions. Special attention is given to safety habits for both types of welding, welding rod classification and welding machine settings. THE STUDENT: This is a general education course of interest to all students. The course is designed essentially to train persons for further skill development in the field of industrial welding. It is also a course of interest to students interested in the mechanical engineering degree because of its involvement with metallurgy and the science of joining metals using the welded fabrication process. It may interest some students avocationally through hobby interest into joining of metals into varying art forms. Satisfies Technical Concentration requirements. COST: **Students must provide appropriate clothing. Students will supply their own safety glasses.** Safety glasses are available in the bookstore or from local vendors at a nominal cost. Students enrolled in this course can also take the course as a Black Hawk College dual credit course. A fee is required for students taking the course as a dual credit. (ST# 13207A001)

WELDING 2 - GENERAL COURSE DESCRIPTION: The students will become familiar with metallic inert gas welding. The course also allows the student to observe the test of their work in the tensile and compression tester to determine the strength of their welds. THE STUDENT: This is a general education course of interest to all students. The course is designed to train persons for further skill development in the field of industrial welding. It is also a course of interest to students interested in a mechanical engineering degree because of its involvement with metallurgy and the science of joining metals using the welded fabrication process. It may interest some students through hobby interests into joining metal into various art forms. Satisfies Technical Concentration requirements. COST: **Students must provide appropriate clothing. Students will supply their own safety glasses**. Safety glasses are available in

the bookstore or from local vendors at a nominal cost. Students enrolled in this course can also take the course as a Black Hawk College dual credit course. A fee is required for students taking the course as a dual credit. (ST# 13207A002)

ADVANCED WELDING - GENERAL COURSE DESCRIPTION: The Advanced Welding class will allow the students to gain a greater understanding of production welding in all areas. The student will learn advanced applications of mig welding for more complex parts to be created in a production setting. The welder will learn advanced set-ups, weld symbols, blueprint reading, maintenance, mass production, and inspection of the part being produced. The student should concurrently be enrolled in the Welding Apprenticeship course, where the advanced curriculum supports the student's work experience with a local welding company. Occupational goals are to be able to do the welding tasks that are required on a day to day basis at the local companies. THE STUDENT: Must have excelled in welding 1 and welding 2. **Students will provide their own safety glasses.** Safety glasses are available in the bookstore and from local vendors at a nominal cost. (ST# 13208A000)

WELDING APPRENTICESHIP - GENERAL COURSE DESCRIPTION: This course is the culminating high school experience for students who have taken Welding 1 and Welding 2 Course sequence through their sophomore and junior years. Instruction for this course will take place outside the school setting at an industry location in the greater Quad City area. Students will be selected for this course through an application (attendance, discipline, and willingness to work with others will be considered) and pairing process near the end of the junior year, and on-the-job work experience and training will begin as a full-time summer job between the junior and senior years. This placement will continue through the senior year for course credit. Students should anticipate the full apprenticeship experience to take 3-4 years beyond high school graduation to complete. Apprenticeship completion will result in federally registered certification for Welder, Combination through the Department of Labor, and carries with it articulated credit from Black Hawk College (DOL Program #2019-IL-73039). Students must be concurrently enrolled in Advanced Welding (ST# 13248A002) in order to qualify for this course. Further program details are available through the building principal. THE STUDENT: To be selected for the apprenticeship, students must complete the following as part of their application process: recommendation by teacher, met requirements of previous welding courses, resume, interviewed and accepted by company, and be in good academic standing as well as on track for graduation.

WOOD PRODUCTION TECHNOLOGY - GENERAL COURSE DESCRIPTION: This is an orientation course covering the following units: technology, management, materials and processes, research and development, production, marketing and service. Production Technology will introduce the student to the basic concepts of manufacturing products of wood. The student will be exposed to the basic hand and machine tools. This course covers the basic information necessary to benefit the interests as well as the methods of manufacturing. THE STUDENT: This course is designed to be exploratory for the student who is interested in knowing how a product is developed from an idea to a finished item. Satisfies Technical Orientation requirement. **Students will supply their own safety glasses.** Safety glasses are available in the bookstore or from local vendors at a nominal cost. (ST# 13052A001)

WOOD TECHNOLOGY 2 - GENERAL COURSE DESCRIPTION: This is a follow-up course in machine woodworking in which a student may increase their knowledge of machine operations, furniture construction methods and application of finish by spraying. Special attention will be given to those machine operations necessary in the carpentry field. Particular emphasis is placed on the safe operation of rotating equipment. Cabinet furniture is used as a media for training so it would benefit students interested in the aesthetic of design as well as the mechanics of construction. THE STUDENT: This course is part of general education. It would be of interest to students both vocationally and avocationally.

It has value for the student who has access to power woodworking equipment in the home as well as the student who is contemplating entry into the building trades. Satisfies Technical Concentration requirements. **Students will supply their own safety glasses**. Safety glasses are available in the bookstore or from local vendors at a nominal cost. (ST# 17007A001)

HOME MAINTENANCE/BASIC CONSTRUCTION PRINCIPLES - GENERAL COURSE DESCRIPTION: This program will provide individualized home maintenance skills to students that will be living independently. The course will provide the student with an advanced skill set on how to maintain living areas within and outside the home. Hands-on learning experiences may include drywall, ceramic tile, house wiring, plumbing repairs, basic automotive maintenance, woodworking, and cabinetry. (ST#)

INTRODUCTION TO ENGINEERING DESIGN (IED) - GENERAL COURSE DESCRIPTION: This entry level Engineering course is a project based class. Students will use a 3-D Modeling CAD program in designing projects. Students will learn proper drafting techniques used in industry. Projects will be researched from concept sketching, detailed design, market and component research, cost and production analysis and marketing. Students will be introduced to various careers in engineering and develop a portfolio. This is a challenging course of highly motivated students interested in pursuing a career in engineering. (ST# 21006A001)

PRINCIPLES OF ENGINEERING (POE) - GENERAL COURSE DESCRIPTION: This entry level Engineering course introduces students to the application of engineering systems. Students will participate in hands-on activities and projects to apply mathematical and scientific concepts. This course includes the study of mechanics, thermodynamics, controls, strength and property of materials. Students will prepare records and presentations on activities and projects. This is the second course in a sequence for highly motivated students interested in pursuing a career in engineering. (IED required) (ST# 21004A001)

COMPUTER INTEGRATED MANUFACTURING (CIM) - GENERAL COURSE DESCRIPTION: This secondary level Engineering course allows students to study and apply prior skills to manufacturing techniques. Students will participate in hands-on activities and projects to apply mathematical and scientific concepts. This course includes lessons and projects utilizing computer modeling, CNC machining, robotics and computer integrated manufacturing, CAM systems and flex manufacturing systems. Students will prepare and produce individual and team centered projects demonstrating the concepts and techniques taught in this course. This is the third course in a sequence for highly motivated students interested in pursuing a career in engineering. (Grade level 11-12, IED & POE required.) (ST# 21010A001)

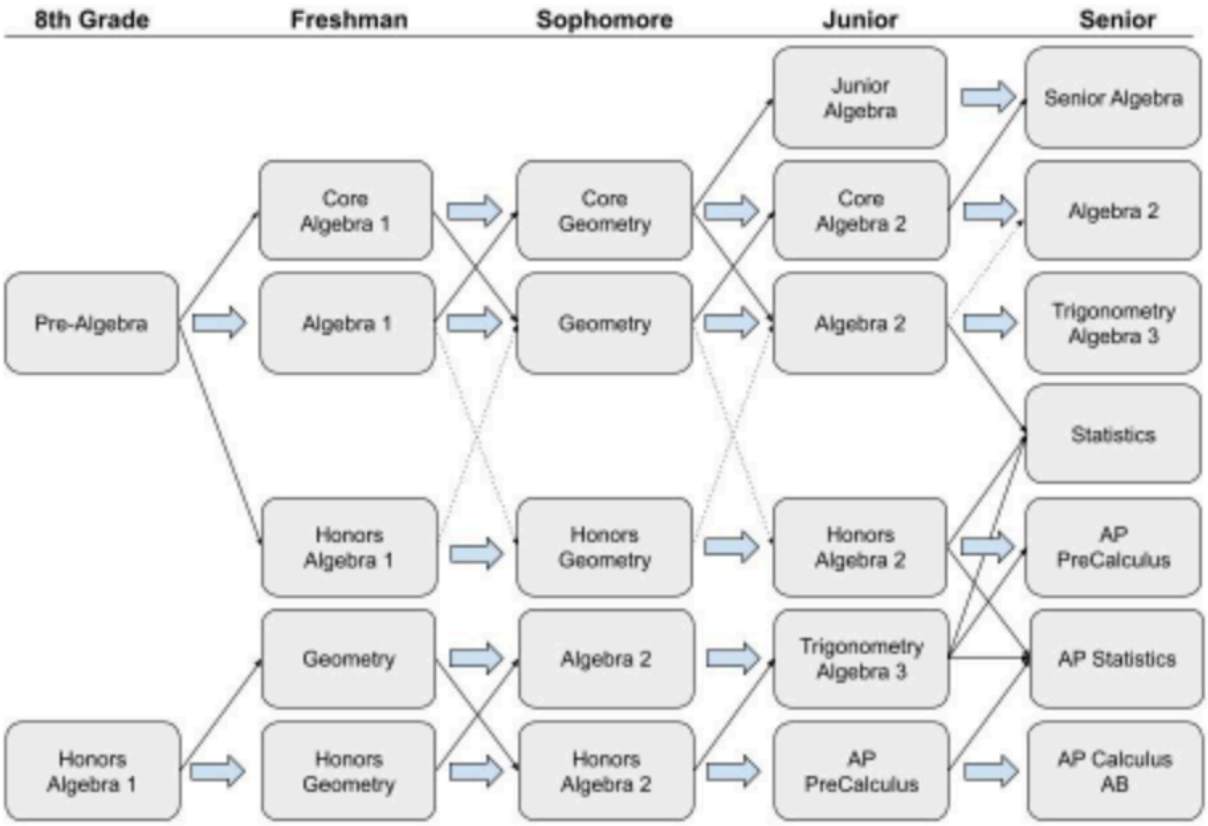
CIVIL ENGINEERING AND ARCHITECTURE - GENERAL COURSE DESCRIPTION: This secondary Engineering course is the final course in the PLTW sequence. Students will learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. This course is for highly motivated students who are interested in pursuing a career in engineering and/or construction management. (Grade level 11-12, IED & POE required) (ST#21011A001)

MATHEMATICS DEPARTMENT

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendation and Related Information
Core Algebra 1	MA029	MA030	9	Recommendation of teacher/counselor
Algebra 1	MA025	MA026	9	None
Honors Algebra 1	MA077	MA078	9	Recommendation of teacher/counselor
Core Geometry	MA119	MA120	10	Core Algebra 1 and recommendation of teacher/counselor
Geometry	MA121	MA122	9-10	Algebra 1
Honors Geometry	MA017	MA018	9-10	A, B or C in Honors Algebra 1, A or B in Algebra 1; if grade is C or below must have teacher recommendation
Core Algebra 2	MA125	MA126	11	Core Algebra 1 and recommendation of teacher/counselor
Algebra 2	MA109	MA110	10-12	Successful completion of Algebra 1
Honors Algebra 2	MA111	MA112	10-12	A, B or C in Honors Geometry; A in Algebra 1 and Geometry with recommendation of teacher
Algebra 3		MA114	11-12	A, B or C in Geometry and Algebra 2
Trigonometry	MA137		11-12	A, B or C in Geometry and Algebra 2
Statistics	MA139	MA140	11-12	Algebra 2; A or B in Core Algebra 2
AP Precalculus	MA131	MA132	11-12	Completion of Geometry; A or B in Honors Algebra 2
AP Statistics	MA159	MA160	11-12	Honors Algebra 2; A or B in Algebra 2
AP Calculus	MA133	MA134	12	A or B in PreCalculus or if grade of C or below must have recommendation of PreCalculus teacher
Junior Algebra	MA033	MA034	11	Recommendation of teacher/counselor Does not qualify for NCAA requirements
Senior Algebra	MA035	MA036	12	Recommendation of teacher/counselor Does not qualify for NCAA requirements
Math Literacy	MA141	MA142	12	3 years of high school math credit and meets state guidelines Does not qualify for NCAA requirements
***CNC Tech Math**	MA161	MA162	12	Students enrolled in CNC Advanced Manufacturing

NOTE: ANY STUDENT NOT MEETING THE PREREQUISITE MUST HAVE PERMISSION FROM THE DEPARTMENT CHAIRPERSON BEFORE ENROLLING. ANY STUDENT FINANCIALLY UNABLE TO PROVIDE A NEEDED CALCULATOR SHOULD SEE HIS/HER MATH TEACHER OR COUNSELOR FOR ALTERNATIVES.
NOTE: Departmental honors in Mathematics will be awarded to:
Each senior who through his first 7 semesters has earned a total of fourteen (14) semester grade points in mathematics beginning with Algebra 1. These points will be determined by counting an A grade as two (2) points and a B grade as one (1) point.
Each senior completing the first semester of A.P. Calculus who does not have any semester grade lower than a B in other mathematics courses beginning with Algebra 1.

Moline High School Mathematics Pathways:



MATHEMATICS DEPARTMENT COURSE DESCRIPTION

CORE ALGEBRA 1 - GENERAL COURSE DESCRIPTION: This course consists of general Algebraic topics, focusing on selected freshmen-level skill sets. Various types of equations are solved, graphed and applied. Exponential, rational and radical expressions are simplified and evaluated. **THE STUDENT:** Students who enter high school who are not yet prepared for Algebra 1 (according to their MAP and Explore test scores and teacher evaluation) should take this course. Students will need a scientific calculator. (ST#02053A000)

ALGEBRA 1 - GENERAL COURSE DESCRIPTION: This course is a general study of the properties of the real numbers. Much of the course is devoted to statements of equality and inequality and their resulting solution sets. Various types of equations are solved, graphed, and applied. Exponential, rational and radical expressions are simplified and evaluated. Graphs are used to help analyze the solution sets. Linear and quadratic equations receive special attention. **THE STUDENT:** Students who plan to attend college or pursue a post high school career or vocational training will find algebra a necessity. Students will need a scientific calculator. (ST# 02052A000)

HONORS ALGEBRA 1 - GENERAL COURSE DESCRIPTION: This course is an advanced high school math course designed to provide students with a deep understanding of fundamental algebraic concepts. This course aligns with the College Board's Pre-AP curriculum for Mathematics and focuses on developing students' problem-solving skills, mathematical reasoning, and fluency in algebraic techniques. Topics covered include expressions, equations, inequalities, polynomials, functions, and data analysis. **THE STUDENT:** Students who excel in math in middle school but are not yet ready for Honors Geometry. (ST# 02052A000)

CORE GEOMETRY - GENERAL COURSE DESCRIPTION: This course consists of general geometric topics. Points, lines, angles, and planes are conceptualized. Percent, ratio, perimeter, and area are among the skills realized. **THE STUDENT:** Students who are not fully prepared for Geometry (according to their MAP scores and teacher evaluation) should take this course. Students will need a scientific calculator. **(**ST#02071A000)

GEOMETRY - GENERAL COURSE DESCRIPTION: This course explores the properties and relationships of geometric figures in two and three dimensions. Topics include points, lines, angles, polygons, circles, transformations, coordinate geometry, area, volume, constructions, and logical reasoning through proofs. **THE STUDENT:** Students who plan to attend college or pursue a post high school career or vocational training will find geometry a necessity. Students will need a scientific calculator. (ST# 02072A000)

HONORS GEOMETRY - GENERAL COURSE DESCRIPTION: This course is an advanced high school math course delving deep into geometric principles. Emphasizing logical reasoning and problem-solving, it covers key topics like basic geometry, properties of polygons, circles, three-dimensional geometry, transformations, coordinate geometry, and trigonometry. **THE STUDENT:** Students typically possess strong mathematical skills, are analytical thinkers, high achievers, and have a genuine interest in mathematics. They exhibit a solid work ethic, have a background in prerequisite courses, and demonstrate critical thinking skills. Students are required to have a scientific calculator. (ST# 02073A000)

CORE ALGEBRA 2 - GENERAL COURSE DESCRIPTION: This course reviews and expands upon the major ideas introduced in Core Algebra 1. The course includes the use of rational exponents and expressions, quadratic functions, factoring, and some of the basic theorems of Algebra 1. **THE STUDENT:** Students who are not fully prepared for Algebra 2 (according to their MAP scores and teacher evaluation) should take this course. Students will need a scientific calculator. (ST#02055A000)

ALGEBRA 2 - GENERAL COURSE DESCRIPTION: The major ideas introduced in Algebra 1 are reviewed and expanded. The course includes the use of rational exponents, logarithms, conic sections, permutations, combinations and some of the basic theorems of algebra. **THE STUDENT:** College bound students should enroll in this course. It is strongly recommended that a student complete Algebra 1 and

Geometry before enrolling in Algebra 2. Students are required to have a scientific calculator. (ST# 02056A000)

HONORS ALGEBRA 2 - GENERAL COURSE DESCRIPTION: This course is an advanced high school math course that builds on Algebra 1 foundations. Focusing on problem-solving and critical thinking, it covers topics such as linear and quadratic functions, polynomials, rational expressions, exponential and logarithmic functions, systems of equations, matrices, conic sections, sequences, series, and probability/statistics. Emphasizing real-world applications, collaborative learning, and critical thinking, the course prepares students for advanced math studies. **THE STUDENT:** Students are typically high-achievers with a strong foundation in math.These students demonstrate a strong work ethic and are enthusiastic learners. Students are required to have a graphing calculator. (ST# 02106A000)

ALGEBRA 3 - GENERAL COURSE DESCRIPTION: The course reexamines the topics of Algebra 2 in greater depth, particularly in the areas of basic functions, conic sections, inequalities, permutations and combinations. **THE STUDENT:** Students who are not mathematically ready for Precalculus but want a stronger background in Algebra 2. Students will need a scientific calculator, but are encouraged to have a graphing calculator. (ST# 02057A000)

TRIGONOMETRY - GENERAL COURSE DESCRIPTION: Trigonometry is a study of the relationships between distance and angles in the rectangular coordinate plane with emphasis on circular functions. Trigonometry introduces six basic trigonometric ratios and explores the relationships between them. Polar coordinates and complex numbers are also introduced. **THE STUDENT:** Students who are not mathematically ready for Precalculus but want a background in Trigonometry. Students will need a scientific calculator, but are encouraged to have a graphing calculator. (ST# 02103A000)

STATISTICS - GENERAL COURSE DESCRIPTION: This math course deals with the basic principles and procedures of statistics including levels of measurement, graphic presentation, descriptive measures of central tendency and dispersion, inferential statistics and hypothesis testing, and analysis of variance and regression. **THE STUDENT:** Students who have successfully completed 2 years of math including Algebra 2. Students will need a graphing calculator. (ST# 02201A000)

AP PRECALCULUS - GENERAL COURSE DESCRIPTION: This course explores foundational concepts essential for college-level mathematics. Topics covered include functions, trigonometry, analytic geometry, limits, derivatives, integration, sequences, series, matrices, and vectors. The course includes the material covered on the Advanced Placement Precalculus examination. **THE STUDENT:** Students are typically strong in mathematics, motivated, and analytical thinkers. They should also possess a strong work ethic, as AP courses are academically demanding. Students are required to have a graphing calculator, preferably a TI-84 (ST# 02110A000)

AP STATISTICS - GENERAL COURSE DESCRIPTION: AP Statistics is an advanced placement course in basic principles and procedures including levels of measurement, graphic presentation, descriptive measures of central tendency and dispersion, inferential statistics and hypothesis testing, and analysis of variance and regression. The course includes the use of computer software and the interpretation of statistical data and includes most of the topics presented in a one-semester college course. Students will complete projects, proving their acquisition of knowledge and understanding. The course includes the material covered on the Advanced Placement Statistics examination. **THE STUDENT:** Students typically have strong math skills, an interest in analyzing real-world data, and a curiosity about probability and uncertainty. They should also possess a strong work ethic, as AP courses are academically demanding. Students are required to have a graphing calculator, preferably a TI-84. (ST02203A000)

AP CALCULUS - GENERAL COURSE DESCRIPTION: AP Calculus is an advanced placement rigorous college level course in differential and integral calculus with emphasis on theory and application. This course includes most of the topics presented in a two-semester college course and includes the material covered on the Advanced Placement AB Calculus examination. **THE STUDENT:** Students are typically strong in mathematics, motivated, and hardworking. They often have an interest in STEM fields, plan to attend college, and excel in advanced math courses. They should also possess a strong work ethic, as AP courses are academically demanding. Students are required to have a graphing calculator, preferably a TI-84. (ST# 02124A000)

JUNIOR ALGEBRA - GENERAL COURSE DESCRIPTION: The course examines a variety of mathematical topics ranging from PreAlgebra to Trigonometry. The course will focus on the State Math Goals 6 through 10: Algebra, Geometry, Probability, Number Sense, and Data Analysis. **THE STUDENT:** Juniors who have expressed an interest in pursuing an industrial or trade and technical career. Students will need a scientific calculator. (ST# 02074A000)

SENIOR ALGEBRA - GENERAL COURSE DESCRIPTION: The course is designed for a student to use basic mathematical operations emphasizing algebra and geometry applications encountered in industry. **THE STUDENT:** Seniors who have expressed an interest in pursuing an industrial or trade and technical career. Students will need a scientific calculator. (ST# 02002A000)

MATH LITERACY - GENERAL COURSE DESCRIPTION: This senior level math course equips students with essential mathematical skills for real-world applications. Topics covered are numeracy, algebra, geometry, data analysis, financial literacy, probability, and technology integration. Emphasis is on practical problem-solving, critical thinking, and effective communication. **THE STUDENT:** Seniors who have earned 3 years of math credit required for graduation and qualify according to the state guidelines, who are planning to pursue post-secondary education should enroll in this course. Students are required to have a scientific calculator, but are encouraged to have a graphing calculator. (ST#02153A001)

CNC TECH MATH - GENERAL COURSE DESCRIPTION: This senior level math course focuses on the technical application of algebra and trigonometry. A required course for the CNC Machining Program at MHS and the AAS Engineering Tech students at BHC, this course teaches students to effectively implement algebraic and trigonometric principles in the manufacturing industry. Student learning will focus on algebraic operations, functions and graphs, trigonometric functions and applications, linear equations, quadratics, vector analysis with oblique triangles, and special products. This course is dual credit with Black Hawk College and is taught in conjunction with the CNC teacher in the CNC machining lab. **THE STUDENT:** Students must be enrolled in CNC Advanced Manufacturing. (ST#02304A004)

MUSIC DEPARTMENT

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendation and Related Information
Freshman Band	MU567	MU568	9	Recommendation of teacher
Concert Band	MU563	MU564	10-12	Recommendation of teacher
Symphonic Band	MU565	MU566	10-12	Recommendation of teacher
Senior Symphonic Band	MU569	MU570	12	Recommendation of teacher
Marching Band	PE581		9-12	Recommendation of teacher
Concert Orchestra	MU559	MU560	9-12	Recommendation of teacher
Symphonic Orchestra	MU561	MU562	10-12	Recommendation of teacher
Senior Symphonic Orchestra	MU571	MU572	12	Recommendation of teacher
Concert Choir	MU557	MU558	9-12	Recommendation of teacher
Senior Concert Choir	MU573	MU574	12	Recommendation of teacher
Bass Choir	MU555	MU556	9-12	None
Treble Choir	MU303	MU304	9-12	None
Bella Voce	MU553	MU554	9-12	Recommendation of teacher
Stagecraft	MU603	MU604	9-12	None
Guitar	MU585		9-12	None. Preferred student has own instrument
Intro to Music Theory		MU612	9-12	None
AP Music Theory	MU605	MU606	10-12	Recommendation of teacher

NOTE: Departmental honors in Music (band, orchestra, and vocal) will be awarded to : Each senior who has earned seven A's, grades 9-12. This can be a total of 7 in all areas of music, but will be listed under the majority.

MUSIC DEPARTMENT COURSE DESCRIPTIONS

FRESHMAN BAND - GENERAL COURSE DESCRIPTION: Freshman Band is for all incoming freshmen band students. Emphasis is given to solidifying and developing fundamental instrumental techniques and skills. Through the use of quality band literature, musical understanding and enjoyment is increased. THE STUDENT: The student will rehearse and perform band music including marches, overtures, and concert material suitable to their stage of development. The band will perform in numerous programs,

competitions, and organization contests throughout the year. Attendance is required for all performances. (ST#05101A000)

CONCERT BAND - GENERAL COURSE DESCRIPTION: Concert Band is for the intermediate band student in grades 10 through 12. The band offers an opportunity to further musical understanding and enjoyment utilizing standard band literature. THE STUDENT: The student will rehearse and perform band music including marches, overtures, and concert material suitable to their stage of development. The band will perform in numerous programs, and organization contests throughout the school year. Attendance is required for all performances. (ST# 05102A000)

SYMPHONIC BAND - GENERAL COURSE DESCRIPTION: Symphonic Band is for the advanced band student in grades 10 through 12. The passing of an audition is required for membership in this ensemble. Instrumentation and performance ability will determine eligibility. THE STUDENT: The student will rehearse and perform contemporary and traditional band literature. The band will perform in numerous programs, competitions, and organization contests throughout the school year. Attendance is required for all performances. (ST# 05103A000)

SENIOR SYMPHONIC BAND - GENERAL COURSE DESCRIPTION: Senior Symphonic Band is for the advanced band student who wishes to receive a weighted grade for the course. The passing of an audition is required for membership into this ensemble. Instrumentation and performance ability will determine eligibility. Experiences include the option of participating in pep band, jazz band, pit orchestra, and full orchestra. To receive weighted credit, the student must audition for the ILMEA District 2 Festival in the fall, and participate in the IHSA Solo & Ensemble contest in the spring. (ST#05102A000)

MARCHING BAND - GENERAL COURSE DESCRIPTION: Marching Band is open to all students who are currently enrolled in a band, orchestra, or choir class, grades 9 through 12. Marching Band starts 2 weeks before the school year with a mandatory camp, and continues throughout the fall performing for football games, community events, parades, public functions, and district events. In addition to daily rehearsals, there are weekly evening rehearsals on Monday, and on game weeks, Thursday evenings. THE STUDENT: The student will rehearse and learn marching band music, develop marching fundamental skills, and develop their stage and field performance presence. They will perform in a variety of new and challenging situations. Attendance is required for all performances. (ST#)

CONCERT ORCHESTRA - GENERAL COURSE DESCRIPTION: Concert Orchestra is a string ensemble open to grade 9. No audition required. The student must have some knowledge of one of the following string instruments: violin, viola, cello, or bass. The focus of this class will be on introducing and improving basic string techniques. Students will be expected to perform at all concerts. Grades will be determined not only by performances, but also by playing and written exams (and occasional homework). (ST# 05104A000)

SYMPHONIC ORCHESTRA - GENERAL COURSE DESCRIPTION: Symphonic Orchestra is a full orchestra ensemble open to grades 10 through 12. The student must demonstrate a high level of playing ability: comprehension of higher positions on the instrument, good tone production, awareness of intonation, an understanding of rhythm, a well-developed vibrato, good posture, and a committed attitude to the ensemble. The focus of this class will be on a higher level of performing. Students will be expected to perform at all concerts. Grades will be determined not only by performances but also by playing and written exams (and occasional homework). (ST# 05104A000)

SENIOR SYMPHONIC ORCHESTRA - GENERAL COURSE DESCRIPTION: Senior Symphonic Orchestra is for the advanced orchestra student who wishes to receive a weighted grade for the course. The passing of an audition is required for membership into this ensemble. Experiences include the option of participating in jazz band, pit orchestra, full orchestra, and chamber orchestra. To receive weighted credit, the student must audition for the ILMEA District 2 Festival in the fall, and participate in IHSA Solo & Ensemble contest in the spring. (ST#05104A000)

CONCERT CHOIR - GENERAL COURSE DESCRIPTION: Concert Choir is a performance-oriented class for the more advanced singers (grades 9-12). A variety of the best choral literature available is used as the core for developing an appreciation for and a repertory of good choral music. Concert Choir performs in all scheduled concerts and special events that become available during the year. Attendance at performances is required. Permission of the instructor is required for a student to enroll in this class. It is recommended that students participate in other choirs in order to prepare for this advanced choir. (ST#05110A000)

SENIOR CONCERT CHOIR - GENERAL COURSE DESCRIPTION: Senior concert choir is for the advanced choral musician who wishes to receive a weighted credit for the course. Concert Choir is a performance-oriented class for the more advanced singers (grades 9-12). A variety of the best choral literature available is used as the core for developing an appreciation for and a repertory of good choral music. Concert Choir performs in all scheduled concerts and special events that become available during the year. Attendance at performances is required. Permission of the instructor is required for a student to enroll in this class. It is recommended that students participate in other choirs in order to prepare for this advanced choir. In order to receive a weighted credit in choir, the student must audition for the ILMEA D2 Senior Choir and/or the ACDA regional or national choral conference. In the spring each student receiving the weighted grade music prepares and performs at the IHSA Solo and Ensemble competition. (ST# 05110A000)

BASS CHOIR - GENERAL COURSE DESCRIPTION: Bass choir is an un-auditioned tenor/bass choir open to any 9-12 grade MHS student. Bass choir is a performance ensemble with an emphasis on basic vocal technique and music fundamentals. Bass choir performs in all scheduled choral concerts. Class time is devoted to singing appropriate bass choir literature, with an emphasis on basic tenor/bass vocal health and production. It is recommended that all students interested in this ensemble meet with the instructor to assure they are placed in the appropriate choir for their voice. (ST# 05111A000)

TREBLE CHORUS - GENERAL COURSE DESCRIPTION: Treble choir is an un-auditioned soprano/alto choir open to any 9-12 grade MHS student. Treble choir is a performance ensemble with an emphasis on basic vocal technique and music fundamentals. Treble choir performs in all scheduled choral concerts. Class time is devoted to singing appropriate treble choir literature, with an emphasis on basic soprano/alto vocal health and production. It is recommended that all students interested in this ensemble meet with the instructor to assure they are placed in the appropriate choir for their voice. THE STUDENT: Attendance at performances is required. Certain items of dress appropriate for performance may be required of students. No previous experience is necessary. (ST# 05110A000)

BELLA VOCE - GENERAL COURSE DESCRIPTION: This is an auditioned group of treble voices - SSA (grades 9-12). This group will study a wide range of choral literature and will perform at all concerts. Permission of the instructor is required for a student to enroll in this class. It is recommended that students participate in Treble Chorus in order to prepare for this advanced choir. (ST#05111A000)

GUITAR - GENERAL COURSE DESCRIPTION: This course would be a beginner to advanced guitar course giving students the option to continue skills they have taught themselves at home and also give students the opportunity to learn the instrument if they have no experience in playing the guitar. This is also a course that would be open to the entire population of MHS with the hopes of giving students who have never taken a music course a chance to learn something new. There is a large number of students who have never taken a course in the BPAC. This course would hopefully give an outlet to students who might not have ever been involved in music in the Moline-Coal Valley school system. (ST#05108A000)

STAGECRAFT - GENERAL COURSE DESCRIPTION: This is a class for any student who wishes to have hands on, behind the scenes experiences in theater. This class is designed to give the student a basic understanding of theatrical design, construction, scenery, properties, lighting equipment, sound equipment, and rigging. No experience required. THE STUDENT: The student will develop skills required in the field of technical theater and stage management. It is hands-on and requires some physical activities.(ST#05056A000)

INTRO TO MUSIC THEORY - GENERAL COURSE DESCRIPTION: This course expands upon the skills learned in band, orchestra, guitar, and choir as well as teaches new skills of foundational Music Theory. This course is designed for students with a desire to continue the study of music beyond secondary school. This course is designed to develop musical skills that will lead to a thorough understanding of music theory and composition. Students taking this course will be prepared to move on to AP Music Theory. (ST# 05113A000)

AP MUSIC THEORY- GENERAL COURSE DESCRIPTION: This rigorous advanced placement course teaches an introduction to musical theory and sight-singing. Students completing this course will be prepared to successfully take the AP Music Theory Exam at the culmination of the school year. THE STUDENT: In this year-long course, the student will develop skills in music theory and analysis, composition, musical dictation, and aural training. Due to the specific nature of this course materials, it is required that the student is (or has been enrolled) in Band, Orchestra, or Choir previously to taking this course. (ST#05114A000)

PHYSICAL EDUCATION AND SAFETY DEPARTMENT

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendation and Related Information
Physical Education	PE823	PE824	9-12	None
Early Bird Physical Education	PE825	PE826	10-12	Transportation to school by 7:05. Students will not have a 7th period and will be required to leave school grounds after 6th period.
Introductory Athletic PE	PE813	PE814	9-12	Plan to participate in a MHS sport
Gen Ed Strength and Conditioning	PE837	PE838	10-12	PE teacher recommendation
Advanced Athletic PE	PE817	PE818	10-12	Introductory Athletic PE and PE teacher or athletic coach recommendation
Athletic Early Bird PE	PE831	PE832	10-12	Transportation to school by 7:05. Students will not have a 7th period and will be required to leave school grounds after 6th period.
Mind & Body Wellness	PE821	PE822	10-12	None
PE Leadership	PE835	PE836	11-12	Recommendation and approval by 10th grade PE teacher
PE Leadership (Teacher Assistant)	PE833	PE834	11-12	Prerequisite: PE Leadership course
Driver Education	PE907	PE908	9-12	Qualify for instruction permit issued by state of Illinois. ½ credit for classroom only. Must meet age requirements.
Health	PE827	PE828	10	Required for graduation

Physical Education is included in GPA, but not in class rank.

Driver Education is not a graduation requirement for MHS. If students would like to take a Driver Education course they must meet the requirements and select Driver Education when inputting course requests for the upcoming school year.

PHYSICAL EDUCATION AND SAFETY DEPARTMENT COURSE DESCRIPTIONS

PHYSICAL EDUCATION- GENERAL COURSE DESCRIPTION: All levels will incorporate Fitness - Cardio, Strength and Flexibility. Students will have the opportunity to choose the activities that interest them. (ST08001A000)

EARLY BIRD PHYSICAL EDUCATION- GENERAL COURSE DESCRIPTION: All levels will incorporate Fitness - Cardio, Strength and Flexibility. Students will have the opportunity to choose the activities that interest them. Students will attend class from 7:05 - 7:55 AM. Students will be able to take six additional classes and will need to leave school grounds at the end of 6th period daily. (ST08001A000)

INTRODUCTORY ATHLETIC PE- GENERAL COURSE DESCRIPTION: This course is open to ALL freshman athletes and/or any athlete that does not have prior experience in this class. This course is a prerequisite for Advanced Athletic PE. This course will focus on technique and prepare students for complex lifts and training needed for Advanced Athletic PE. Once enrolled, students will not be allowed to switch to a regular physical education class until the end of that semester. (ST#08005A000)

GEN ED STRENGTH AND CONDITIONING- GENERAL COURSE DESCRIPTION (11, 12): This class will be offered to juniors and seniors who are not enrolled in Athletic PE. This course will range from beginner to advanced weight lifting, based on the student's experience and fitness level. Students will follow a weight lifting program that can be individualized to fit proper modifications and reach the needs of all students. The goals of this class are for students to learn how to navigate a weight room, improve technique, gain strength and build confidence in the weight room. Student's are recommended to choose the quarterly weight lifting activity prior to this semester class. (ST#08009A000)

ADVANCED ATHLETIC PHYSICAL EDUCATION- GENERAL COURSE DESCRIPTION: This course is open to ALL athletes ((Seniors, Juniors, Sophomores, and Freshman). This course allows for strength training and CORE training throughout the year during the school day. Once enrolled, students will not be allowed to switch to a regular physical education class until the end of that semester. Students will attend class from 7:05 - 7:55 AM. Students will be able to take six additional classes and will need to leave school grounds at the end of 6th period daily. (ST#08005A000)

EARLY BIRD ATHLETIC PHYSICAL EDUCATION- GENERAL COURSE DESCRIPTION: This course is open to ALL athletes ((Seniors, Juniors, Sophomores, and Freshman). This course allows for strength training and CORE training throughout the year during the school day. Once enrolled, students will not be allowed to switch to a regular physical education class until the end of that semester. (ST#08005A000)

MIND & BODY WELLNESS- GENERAL COURSE DESCRIPTION: This course focuses on helping teens build the independence and leadership qualities to make the most in life and take on the new challenges lying ahead with confidence and self belief. Activities are designed to promote mental and physical health based on individual goals and lifetime wellbeing. Activities will include yoga, meditation, mindfulness relaxation, breathing exercises, tabata, pilates, strength training, cardiovascular endurance, and flexibility. (ST#08001A000)

PE LEADERSHIP CLASS- GENERAL COURSE DESCRIPTION:This is a one semester course offered to 11th graders. This course is for ANY student who is wanting to improve their leadership skills in a real life setting. Throughout this course students will develop strong leadership skills by improving their ability to communicate with others, problem solve and work well as part of a team. Students will also learn how to facilitate a PE class including daily warm ups, student grouping, fitness, team sports and team building. Students will apply this knowledge and these skills when they become PE Leaders. The PE Leadership is a prerequisite for PE Leaders, meaning in order to become a PE Leader, students must take and pass PE Leadership with a grade of B or higher. (ST#08049A000)

PE LEADER (TEACHER ASSISTANT)- GENERAL COURSE DESCRIPTION: After a student completes the PE Leadership course, students are guaranteed at least one semester as a PE Leader where they will

apply the knowledge and skills learned in PE Leadership. Each PE Leader student will be placed in a PE class, and will specifically assist freshman and/or students with disabilities. (ST#08049A000)

DRIVER EDUCATION- GENERAL COURSE DESCRIPTION: A comprehensive study of traffic on our streets and highways with emphasis on laws, driving environment, and the vehicle and the driver. The course includes classroom instruction, driving range and on the street experience. THE STUDENT: Any student between ages of 15 and 21 years of age. To enroll, a student must have successfully passed eight classes the previous two semesters prior to enrollment. To enroll in Driver Education 1st semester, the student must have been born before April 1, 2010 and before September 1, 2010 for 2nd semester. Enrollment is subject to space availability and priority will be given to older students. If a student fails either part of Driver Education, classroom or behind the wheel, they must wait one semester before re-enrolling.The student may enroll in summer school driver education if space permits. Students must be able to secure an instructional permit and must have a social security number.
Instruction Permit: Each student must obtain their instruction permit by the 4th day of class. If this is not done, the student will be dropped from the class. COST: There was a $100.00 Lab Fee in 2024-2025 plus $20.00 for instructional permit. Summer School cost: TBD (ST# 08152A000)

SPECIAL ATTENDANCE POLICY: BACKGROUND INFORMATION - State minimum requirements for students enrolled in a driver education program are as follows:
1. Each student must have thirty (30) clock hours of classroom instruction.
2. Each student must have at least six (6) clock hours of street driving.
3. Each student cannot miss more than 5 class periods.

Because of the above requirements it seems necessary to have special policies concerning driver education absences. Those policies follow:
1. A student will be dropped from the driver education course if:
    A. CLASSROOM PHASE - The student fails to make up all absences per school policy.
    B. BEHIND THE WHEEL PHASE - ON THE STREET DRIVING WILL TAKE PLACE DURING THEIR DRIVER ED. STUDY HALL PERIOD. A schedule will be given to the student for which days that are scheduled to drive.

2. Students dropped from one phase of driver education will be dropped from both phases and must repeat the complete course successfully to be eligible to obtain their license. If a student fails either part of Driver Education, classroom or behind the wheel, they must wait one semester before re-enrolling.The student may enroll in summer school driver education if space permits.

3. Students who know they will be absent (due to vacations, hospitalization, etc.) more than the allowed number of times should elect to enroll in the course the next semester.

4. The $100.00 driver education fee will not be refunded if a student is dropped from driver education.

5. Students dropped from driver education will have their “Instruction Permit” canceled by the office of The Secretary of State. The permit will be re-issued when the student re-enrolls in Driver Education.

HEALTH - GENERAL COURSE DESCRIPTION: Health is a one semester course which should be taken by all students during tenth grade. Emphasis is placed on a variety of topic areas which may include a health overview, physical fitness, nutrition, disease and prevention, mental health and illness, alcohol and drug abuse, decision-making and human sexuality. THE STUDENT: An awareness of what health constitutes is important to the growth of the individual student. Without proper knowledge of

himself/herself from a health standpoint, the student may not recognize his or her full potential as an individual relating to his society, family and himself/herself. Health provides for prevention of problems and deals with situations in which the student is the focal point of discussion so that the knowledge gained might be used now and in the future. (ST# 08051A000)

MOLINE HIGH SCHOOL PHYSICAL EDUCATION
UNIFORM RULES & REGULATIONS

A. PHYSICAL EDUCATION NO DRESS POLICY:

1. Each student will be required to wear the regulation uniform. Street clothes may not be worn under the Physical Education uniform. If yoga pants are worn, the P.E. uniform shorts MUST be worn over the top.
2. If clothes are lost or stolen, the student will have two (2) days to purchase a new set.
3. No cutting or writing (other than the student's name) on the PE uniform.
4. The wearing of sweatshirts and sweatpants will be determined upon the weather and teacher's discretion. The teacher will check to see that the uniform is underneath.
5. ATHLETIC SHOES are required! Anything else will count as a No Dress-Safety and the student will NOT be allowed to participate. Sandals and boots of any kind, UGGS, Crocks, or any other non-athletic footwear will not be allowed.
6. Clean loaner uniforms will be available to those students who forget their uniform. Students may borrow loaners two (2) times before referrals to the Dean will be given (No Dress Policy). It is the responsibility of the student to ask his/her teacher BEFORE CLASS for a loaner or else it will be counted as a No Dress.
7. If the student is not in the proper PE uniform, they will be allowed to participate provided they have appropriate footwear (No boots, sandals, flip-flops, etc.)

Athletic Shoes Only. The following policy will still be enforced:

1st No Dress: Teacher will speak with the student privately.

2nd No Dress: Teacher will speak with the student privately and told that the parents will be contacted if they receive another No Dress.

3rd No Dress: Teacher will speak with the student privately and the student will be told that the next No Dress will result in a referral to the Dean. Parents contacted (preferably reciprocal communication). 4th and subsequent No Dress: Student referred to the Dean.

B. GRADING POLICY:

Engaging in some form of physical activity daily will reduce your risk of many health problems, including heart disease, obesity, osteoporosis, respiratory disease, and diabetes. Physical Education is a class directed towards making you a healthier, more active person. At the high school level, our goal is to educate you in activities that will help you stay physically fit after you graduate. In Physical Education class at Moline High School, we want every student to not only participate, but to have a good attitude and respectful behavior toward the teachers and other classmates.

ABSENCE - Students will lose Daily Participation points for excused absences (in building, field trips, etc.) but will have the opportunity to make these points up. It is the responsibility of the student to see their teacher about making up points. This should be done immediately after returning from the absence.

SCIENCE DEPARTMENT

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendation and Related Information
Physics First	SC135	SC136	9-10	9th-recommendation from 8th grade 10th-recommendation of science teacher and successful completion of Algebra
Chemistry	SC159	SC160	9-12	Successful completion of a previous Science course and Algebra 1 (or equivalent)
Honors Chemistry	SC149	SC150	9-12	Physics First and Algebra 1 (B or better or recommendation of a science teacher)
Physical Science	SC169	SC170	9-12	Recommendation Only
Biology	SC147	SC148	10-12	Most Universities & Colleges recommend Biology for acceptance
AP Biology	SC151	SC152	10-12	Physics & Chemistry (B or better or recommendation of a science teacher)
AP Chemistry	SC179	SC180	10-12	Honors Chemistry or Chemistry; Physics and Algebra 2 (or concurrent) (B or better or recommendation of a science teacher)
Earth Science	SC185	SC186	10-12	None
Environmental Science	SC301	SC302	10-12	Physics First (C or better or recommendation of a science teacher)
Physics	SC173	SC174	10-12	Physics First, Chemistry (or Honors), and Algebra 1. Designed for students to develop skills related to the application of the physical world and engineering skills.
Biology 2 (Anatomy & Physiology)	SC141	SC140	11-12	Physics, Chemistry, & Biology (B or better or recommendation of a science teacher)
Botany		SC138	11-12	Physics, Chemistry, & Biology or recommendation of a science teacher
AP Physics	SC175	SC176	11-12	Physics First or Physics, Chemistry (or Honors), Algebra 2. Designed as

	a college level course allowing students to potentially gain college credit through the College Board placement test.

Note: To fulfill MHS graduation requirements, it is strongly advised that students complete one year of physical science and one year of life science. Departmental honors in Science will be rewarded to: Each senior who has earned seven or more semesters of "A" in science by the end of the first semester of their senior year.

SCIENCE DEPARTMENT COURSE DESCRIPTIONS

BIOLOGY (L) - GENERAL COURSE DESCRIPTION: Biology is the study of the ten underlying themes of biological investigation. Students will study the organization and interaction of living systems, cells, genetics, structure and function, regulation of living systems, the unity and diversity of life, change of life over time, scientific inquiry, and science technology and society. THE STUDENT: This laboratory course is designed for any student interested in a survey of the themes of life. (ST# 03051A000)

BIOLOGY 2 (ANATOMY & PHYSIOLOGY) (L) - GENERAL COURSE DESCRIPTION: Anatomy and physiology is a year study of the various systems of the human body. Dissection of the cat is an integral part of the course. The course includes required textual reading and lectures, reading of current science journals and periodicals, and experiences in a laboratory setting. THE STUDENT: This laboratory course is designed as a college preparatory experience for the student planning a career choice that will involve biological training beyond the high school level. (ST# 03053A000)

AP BIOLOGY (L) - GENERAL COURSE DESCRIPTION: AP Biology is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The advanced placement class aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. Topics covered will include: molecules and cells, heredity and evolution, and organisms and populations. THE STUDENT: This course is recommended for students who have excelled in both introductory biology and chemistry and plan on taking the AP Biology exam in preparation for a career choice that will involve biological training beyond the high school level. (ST# 03056A000)

BOTANY (L) - GENERAL COURSE DESCRIPTION: Botany is designed as a one-semester study of the biology of plants. This lab course will include an evolutionary survey of the plant kingdom, the anatomy and physiology of plants, the role of plants within the ecosystem, and plant taxonomy and identification with a focus on local flora. THE STUDENT: This laboratory course is designed as a college preparatory experience for the student planning a career choice that will involve biological training beyond the high school level. (ST# 03058A000)

CHEMISTRY (P) - GENERAL COURSE DESCRIPTION: Chemistry is a laboratory course designed to provide the student with the concepts and processes that emphasize the structure of matter and the way it interacts in the physical world. The course content includes: qualitative and quantitative aspects of matter, atomic structure, periodic law, general chemical reactions, and measurement. Student objectives

and laboratory experiments are designed to help the student gain an understanding of chemical concepts and processes, to learn to use common laboratory equipment, and to collect and analyze laboratory data. THE STUDENT: The course is offered for students who desire to know more about the structure of matter and its relationship to the world. ***Due to the nature and quantity of laboratory work involved in this class, it is important that students who take this course are able to maintain a good attendance record.*** (ST# 03101A000)

HONORS CHEMISTRY (P) - GENERAL COURSE DESCRIPTION: All topics covered in Chemistry are completed at a faster pace and in more depth. THE STUDENT: Students preparing for a science related career or planning to take AP Chemistry, will profit most from this course. The course is designed for high ability science students. ***Due to the nature and quantity of laboratory work involved in this class, it is important that students who take this course are able to maintain a good attendance record.*** (ST#03102A000)

AP CHEMISTRY (P) - GENERAL COURSE DESCRIPTION: AP Chemistry is a rigorous college level laboratory course covering specific content and processes as outlined by a national curriculum. In addition to preparing for the AP exam, this class will offer a solid foundation for any student interested in pursuing a college degree in any science or related career (including medical & engineering). THE STUDENT: Students who have succeeded in chemistry and mathematics and are interested in science are encouraged to take this course. Juniors may want to take this class immediately after taking Chemistry. (ST# 03106A000)

EARTH SCIENCE (P) - GENERAL COURSE DESCRIPTION: Earth Science is a two semester high school lab science course designed to provide students with the concepts, processes, technology and career opportunities that relate to the earth and the universe around us. The course will include topics in geology, oceanography, meteorology, and astronomy. Students' objectives, activities, laboratory experiences, current earth science topics, computer topics, and presentation projects are designed to enhance student appreciation for the physical world we live on and how our planet fits into the rest of the known universe. THE STUDENT: This laboratory science course is designed for any student who is interested in learning about the earth and the universe around us. (ST# 03001A000)

ENVIRONMENTAL SCIENCE (L)- GENERAL COURSE DESCRIPTION: Environmental science is the study of the ecological relationships between energy, natural resources, and living things. Throughout the year, students will study the biosphere, ecological relationships, energy, and natural resources. The main focus of the course will be the effect of human activities and the consequences of human interactions in the biosphere. Some other areas of study will be fieldwork, which involves outside activities to study the environment, current events, and real world application of concepts. THE STUDENT: This laboratory course is designed for any student who is interested in thoughtfully considering the impact of human activity on the environment and how living and nonliving things interact in natural systems on Earth to shape the future of our planet. (ST# 03003A000)

PHYSICAL SCIENCE (P)- GENERAL COURSE DESCRIPTION: Physical Science will explore basic chemistry, physics, earth and space concepts. This course will also incorporate career opportunities and technological design throughout the curriculum. Emphasis will be placed on lab activities and investigations. THE STUDENT: This laboratory course is designed for any student who needs to increase their understanding of the physical world around them. It is also intended for those who want to survey physical science topics before pursuing more in-depth coursework. Students who have successfully completed chemistry and/or physics can only enroll in this course with teacher or counselor permission. (ST# 03159A000)

PHYSICS FIRST (P)-GENERAL COURSE DESCRIPTION: Physics (First) is a 9th grade laboratory course but may be available to 10th grade as well with science teacher recommendation and successful completion of Algebra. Physics First uses an inquiry-based approach to emphasize the science behind real world applications of electricity, motion, forces, energy, and more. Hands-on explorations using math and technology are incorporated to gain well-rounded knowledge of physics concepts, laboratory experiences, problem solving, and other activities are designed to help students gain an understanding of physics concepts and develop skills related to science and engineering practices. THE STUDENT: Physics (First) is offered to the students who desire to know more about how physics principles and those relationships apply in the understanding of how the real world works. (ST#03151A000)

PHYSICS (P)- GENERAL COURSE DESCRIPTION: Physics is a 10-12th grade laboratory course that uses an inquiry-based approach to emphasize the science behind real world applications of electricity, motion, forces, energy, and more. Hands-on explorations using math and technology are incorporated to gain well-rounded knowledge of physics concepts, laboratory experiences, problem solving, and other activities are designed to help students gain an understanding of physics concepts and develop skills related to science and engineering practices. THE STUDENT: Physics is offered to the students who desire to know more about how physics principles and those relationships apply in the understanding of how the real world works. (ST#03151A000)

AP PHYSICS (P) - GENERAL COURSE DESCRIPTION: AP Physics is a laboratory course designed to provide the student with the necessary foundation of concepts and processes including: kinematics, mechanics, thermodynamics, electromagnetism, and relativity, with a strong emphasis on problem solving and laboratory work. The course uses an algebra-based, college-level text. Additional opportunities for expression of learned material will be provided through special projects and students can take the AP Physics 1 Test. THE STUDENT: AP Physics is designed as a preparatory experience for the student planning a career choice that will involve physical science education and/or training beyond the high school level. (ST# 03152A000)

(L) denotes life science
(P) denotes physical science

SOCIAL STUDIES DEPARTMENT

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendation and Related Information
World Studies	SS191	SS192	9	None; required in grade 9
AP European History	SS185	SS186	9-12	Recommendation from 8th grade
American History	SS209	SS210	10	Required in grade 10: AP U.S. History may be substituted with department chair approval.
AP U.S. History	SS233	SS234	10	A or B in previous Social Studies class and recommendation by a Social Studies teacher.
American Government	SS193	SS194	11-12	Required in grade 11 or 12; AP U.S. Government and Politics may be substituted with department chair approval.
AP U.S. Government & Politics	SS195	SS196	11-12	A or B in previous Social Studies class and recommendation by a Social Studies teacher.
African American History	SS181	SS182	11-12	Successful completion (credit earned) of 10th grade American History.
Ancient and Medieval History	SS231	SS232	11-12	None
AP Economics Microeconomics (Fall)	SS247		11-12	None
AP Economics Macroeconomics (Spring)		SS248	11-12	None
AP Psychology	SS249	SS250	11-12	Recommendation by a Social Studies teacher
Economics	SS211	SS212	11-12	None
Modern European History	SS203	SS204	11-12	None; Helpful to have Ancient & Medieval History
Problems and Issues	SS199	SS200	11-12	None
Psychology	SS215	SS216	11-12	None
Sociology	SS219	SS220	11-12	None
World Geography	SS245	SS246	11-12	None

NOTE: Departmental honors in Social Studies will be awarded to: Each senior who earns 7 semesters of A's (no C's) by the end of the first semester of their senior year, or 6 semesters of A's and two B's in an Advanced Placement course, or successful completion of 7 semesters of A.P. Social Studies courses by the end of their first semester of their senior year.

Social Studies Graduation Requirements for all classes

All students are required to complete a minimum of 3 units of work in social studies for graduation.

- ½ unit (one semester) American Government in grade 11 or 12 unless permission is granted by Social Studies Department Chairperson to substitute AP U.S. Government and Politics in grade 11 or 12.
- 1 unit (two semesters) American History in grade 10 unless permission is granted by Social Studies Department Chairperson to substitute AP U.S. History in grade 10, 11, or 12.
- ½ unit (one semester) from one of the following courses: World Studies, Ancient and Medieval History, Modern European History, and World Geography, AP European History.
- 1 unit (two semesters) from any other classes.

SOCIAL STUDIES DEPARTMENT

AFRICAN AMERICAN HISTORY - GENERAL COURSE DESCRIPTION: This course covers the major events and people of African American History. It will include pre-slavery West African cultural influence, the development and evolution of slavery, Civil War and Reconstruction, the reaction to African American emancipation and the emergence of Jim Crow and the post-Civil War White Supremacy movement. Then, it will continue with a focus on a "long civil rights movement," discussing the freedom struggle during the world wars and New Deal era into the classical civil rights movement to today. THE STUDENT: The course is designed for those who would like to view history through a different framework. It is geared toward the student with an average reading ability. (ST#04107A000)

AMERICAN GOVERNMENT - GENERAL COURSE DESCRIPTION: This course will examine the fundamental principles of American government, including federalism, and the separation of powers. Special emphasis is placed on the rights and responsibilities of U.S. citizens under the Constitution. Political parties, civil liberties, lawmaking, the electoral process, campaigns and elections, and the American legal system are some of the units of study. This course will include an in-depth study of the U.S. Constitution, and the required Constitution test will be given to all students. THE STUDENT: This course is open to all juniors and seniors. This course may be replaced with AP American Government with the approval of the Social Studies Chairperson. (ST# 04151A000)

AMERICAN HISTORY - GENERAL COURSE DESCRIPTION (ONE YEAR): This course is the study of American History from the Second Industrial revolution to the present. Major units of study include: The Industrial Revolution, Immigration, Progressive Era, World War I, The Roaring Twenties, Great Depression, New Deal, World War II, Cold War, Civil Rights, the turbulent 1960's and 1970's, 1980's Conservatism, The New World Order, and contemporary social, political, and economic issues. Students will also be completing research projects, reading and writing assignments, and other historical inquiry assignments. THE STUDENT: This course is required of all students for graduation. This course may be replaced with AP American History with the approval of the Social Studies chairperson.. (ST# 04103A000)

ANCIENT AND MEDIEVAL HISTORY (3500 BCE - 1500 CE) - GENERAL COURSE DESCRIPTION: This course covers the study of world history from its beginning with the four major river civilizations of Egypt, Mesopotamia, India, and China. It will then explore the history of these four civilizations through the Middle Ages. Students will have the opportunity to explore artistic and cultural achievements of

Africa, the Middle East, and Asia. THE STUDENT: The course is designed for those who would like to increase global awareness through the study of history. It is geared toward the student with an average to above-average reading ability. (ST# 04060A000)

AP U.S. GOVERNMENT AND POLITICS - GENERAL COURSE DESCRIPTION (ONE YEAR): AP U.S.Government and Politics will provide college-bound students an opportunity for an analytical study of government and politics in the United States. Through this perspective, students will study general concepts used to interpret U.S. politics and the analysis of specific case studies. Students will be challenged to think critically and conduct problem solving activities in a historical as well as a contemporary approach. THE STUDENT: In the spring the students are expected to take the AP exam. Students taking this course should have well developed study habits.
(ST# 04157A000)

AP U.S. HISTORY - GENERAL COURSE DESCRIPTION (ONE YEAR): AP U.S. History is an advanced placement course for the very best college-bound students. They should be willing to take the AP test in May hoping to receive college credit if they score high enough on the national test. The course covers major aspects of American History with emphasis on analytic skills and concept development. Factual knowledge is important to deal critically with the problems and materials in this course. Ten different units are covered using many outside sources. This course, unlike regular American History, covers U.S. History from colonization to the election of 2020. The first semester covers the time period from 1400 to the 1880's. The second semester covers 1890 to 2020. Students will do a research project at the end of the second semester to be presented to the class in a seminar format. THE STUDENT: Only the strongest, most motivated history students who are college-bound and who have well-developed study habits should sign up for this course, as it is comparable in difficulty to that of a first year, college level course. NOTE: This course is not the same as regular American History, and students who do not complete AP U.S. History must still fulfill the American History graduation requirement, which may require compensatory work on the part of the student. (ST# 04101A000)

AP EUROPEAN HISTORY - This advanced placement course is structured around the investigation of key cultural, diplomatic, economic, intellectual, political, and social developments from 1450 to the present. The goal of the course is to develop a deep understanding of content and principal themes in modern European history, trace historical developments over time, analyze historical evidence and interpretation, and express historical understanding in writing. This course will also provide an opportunity for students to receive college credit if they meet a qualifying score on the AP test at the end of the year. Prerequisites for this course would include a recommendation from an 8th grade teacher (for 9th graders) or recommendation from a Social Studies teacher (9-12). The AP European student should have strong reading and writing skills. NOTE: This course is not the same as regular World Studies, and students who do not complete AP European History must still fulfill the World Studies graduation requirement, which may require compensatory work on the part of the student. (ST#04056A000)

ECONOMICS - GENERAL COURSE DESCRIPTION: The course is designed to cover the basic macroeconomic principles as they apply to an individual's everyday role in the economy. Students will actively engage in interesting and practical exercises and simulations where they will learn about the economy and how it relates to their day to day experience. They will learn how to invest their money into the stock market and into mutual funds in order to make the most of their money. THE STUDENT: Economics greatest appeal is that it applies to every student and is an interesting class for students from all ability levels. (ST# 04204A000)

AP ECONOMICS (MICRO ECON AND MACRO ECON) - GENERAL COURSE DESCRIPTION: Microeconomics is designed to provide a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Macroeconomics is designed to give the student a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination and develops student familiarity with economic performance measures, economic growth, and international economics. An introductory economics course is highly recommended. THE STUDENT: Any student wishing to develop a strong background in economics for a future business career in college. (ST# 04205A000)

MODERN EUROPEAN HISTORY (1500-1945) - GENERAL COURSE DESCRIPTION: In this course, students will study the people and events of Western Europe from the Renaissance to World War Two. As part of this course the development of nationalism, internationalism, revolution, political philosophies, and the world wars will be covered. Besides the required reading and traditional note taking, students will be required to do some outside research into specific areas of the topics listed above. THE STUDENT: Written material for the course is geared to students of average to above-average reading ability. The students who are interested in the development of modern political, economic, and social systems and their impact on our society would enjoy this class. No prerequisite is required, but successful completion of Ancient & Medieval History would be helpful. (ST# 04055A000)

PROBLEMS AND ISSUES - GENERAL COURSE DESCRIPTION: Using a weekly news magazine, newspapers, television news broadcasts, and the internet, students will investigate in detail those important national and international problems, events and controversies that are dominating the headlines. Students will become more informed of the world around them and will learn techniques for analyzing the news. Students should be prepared to take an active role in class discussions and work on technology-based projects. THE STUDENT: Open to all 11th and 12th graders. (ST# 04106A000)

PSYCHOLOGY - GENERAL COURSE DESCRIPTION: The study of Psychology will help students understand their behavior, as well as, the behavior of those around them. The main topics of the course will be how to conduct a psychological experiment, learning, memory, dreams, personality, intelligence and creativity, human development, and psychological disorders. The students should be able to predict and explain a variety of behaviors after covering these topics. The course includes demonstrations, group work, individual reflection, and two group projects. These projects give students an opportunity to conduct their own experiments and to explore the life and ideas of a famous theorist. THE STUDENT: This course is intended for college-bound students because it does include concepts and vocabulary that are academically challenging. (ST# 04254A000)

AP PSYCHOLOGY - GENERAL COURSE DESCRIPTION: The major objective of this advanced placement course is to provide high school students with a challenging learning experience designed to be the equivalent of a one-semester, college-level introductory psychology course. The AP Psychology course is designed to provide students with a working knowledge of the theories and key concepts of each of the major subfields within psychology. Students will be exposed to many of the contributing psychologists and significant research studies, both historical and current, that have shaped our understanding of behavior and mental processes. This course will educate students how to apply psychological principles and understand connections between ideas and theories. Throughout the course, students will utilize psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

This course will also provide an opportunity for students to receive college credit if they meet a qualifying score on the AP test at the end of the year. (ST#04256A000)

SOCIOLOGY - GENERAL COURSE DESCRIPTION: The study of Sociology is designed to help the student develop more objective ways of viewing their social environment. Emphasis is placed on social institutions (education, religion and family); heredity and environment; mass communication; deviance; poverty and marriage. Students may create a research paper or project and participate in role-playing and group activities such as the marriage game. THE STUDENT: This course is intended for college-bound students because it does include concepts and vocabulary that are academically challenging. (ST# 04258A000)

WORLD GEOGRAPHY - GENERAL COURSE DESCRIPTION: This course focuses on surveying the concepts and methods of geography by examining locations using the five themes of geography. Students will apply their knowledge of the five themes of geography by examining North America, Europe, Asia, and Africa. Topics of emphasis will include culture, climate, resources, economy, and population. THE STUDENT: This class will use project-based learning and particular attention will be placed on the common core and national geography standards. (ST# 04001A000)

WORLD STUDIES - GENERAL COURSE DESCRIPTION: This is a year long required course that provides students with an overview of the events that have taken place in the world from the ancient world to contemporary times. Students will get the opportunity to explore war and conflict, political and social developments, and economic changes throughout this time. Students will also be able to participate in a variety of activities that will develop their reading comprehension, writing, and research skills. THE STUDENT: World Studies is required of all freshmen. (ST# 04051A000)

SPECIAL EDUCATION DEPARTMENT

Subject	Credits	Semester Offered	Year	Prerequisites, Recommendation and Related Information
English Lit & Lang 1-4 Levels A, B, C	½ to 4	1 and 2	9-12	Recommendation of IEP Team
Reading 1-2	½ to 3	1 and 2	9-12	Recommendation of IEP Team
H I English	½ to 4	1 and 2	9-12	Recommendation of IEP Team
Math: Algebra, Geometry, Jr. Math, Sr. Math, Core Algebra, and Core Geometry	½ to 4	1 and 2	9-12	Recommendation of IEP Team
H I Math	½ to 4	1 and 2	9-12	Recommendation of IEP Team
*Social Studies: World Studies, Am History, Am Gov't., Problems and Issues	½ to 3	1 and 2	9-12	Recommendation of IEP Team
H I Social Studies	½ to 3	1 and 2	9-12	Recommendation of IEP Team
Health	1/2	1 or 2	9-12	Recommendation of IEP Team
H I Health	1/2	1 or 2	9-12	Recommendation of IEP Team
*Science: Biology, Physical Science	½ to 2	1 and 2	9-12	Recommendation of IEP Team
H I Science	½ to 2	1 or 2	9-12	Recommendation of IEP Team
Diversified Occupations 1-2	½ to 4	1 and 2	9-10	Recommendation of IEP Team
S.T.E.P. 1	½ to 2	1 and 2	11-12	Recommendation of IEP Team. One year of S.T.E.P. 1 meets the Consumer Education requirement.
S.T.E.P. 2	½ to 2	1 and 2	12	Recommendation of IEP Team and Vocational Coordinator
S.T.E.P. 1 & 2 OJT	½ to 2	1 and 2	11-12	Concurrent enrollment with STEP class and participation in Community Training Sites or 60% part-time competitive employment
Study Skills 1-4	½ to 4	1 and 2	9-12	Recommendation of IEP Team. 2 or more mainstream academic classes
Life Choices 1-4	½ to 2	1 and 2	9-12	Recommendation of IEP Team
Decision Management Instruction	½ to 4	1 and 2	9-12	Recommendation of IEP Team

Adult Living 1-4	½ to 4	1 and 2	9-12	Recommendation of IEP Team Community Experiences
H I Communication Skills	½ to 1	1 and 2	9-12	Recommendation of IEP Team
PE/Adapted PE	½ to 4	1 and 2	9-12	Recommendation of IEP Team
Occupations	½ to 4	1 and 2	9-12	Recommendation of IEP Team

*Offered on a rotational basis dependent on individual student needs

SPECIAL EDUCATION PROGRAM

SPECIAL SERVICES PROGRAM: POSSIBLE EDUCATIONAL ENVIRONMENTS

If a student has an active Individual Education Plan and receives services, these service continuum options exist:

1. Special Education services provided for 20% or less of the day outside regular classes. Related services may include consultation, speech/language therapy, occupational or physical therapy, special transportation, help from paraprofessionals, counseling or resource room assistance. A student can be placed in consultative services one or two semesters, but no longer than one year.

2. Special Education services provided 21-60% of the day outside regular classes. Direct services may be provided in academic area(s) with resource room assistance available for elective classes.

3. Special Education services provided for over 60% of the day outside of regular classes. Direct services in the form of special education classes with integration for some classes in standard programs. Some students will be integrated for only lunch, PE and building passing times. All students are encouraged to take part in school activities and clubs.

4. Special Education services for 100% of the day in a separate public school building. Services may be provided in an alternate building with a separate program that provides more structure.

SPECIAL EDUCATION DEPARTMENT COURSE DESCRIPTIONS

Students enrolled in Special Education classes must meet educational guidelines for Special Education as established by the Illinois State Board of Education and have the recommendation of the Case Manager. Course content parallels that offered in the standard program and is based on Illinois Learning Standards.

ENGLISH LITERATURE & LANGUAGE 1-4 (Grades 9-12, Levels A,B,C) Enrollment based on test scores, student motivation and teacher recommendation. GENERAL COURSE DESCRIPTIONS: Level A: A parallel class to Lit and Lang, the focus is on reading and the analysis of literature along with skill development in reading, writing, grammar, listening and critical thinking skills. Level B: Emphasis is on reading comprehension, grammar, pre-writing and writing organization, speaking and English fundamentals for everyday situations. Level C: Emphasis is on the basics of English including reading

comprehension, writing, speaking, listening and applying skills to everyday situations. (ST# 01001A000, 01002A000, 01003A000, 01004A000, or 01009A000)

READING 1-2 (Grades 9-12, Leveled) GENERAL COURSE DESCRIPTION: An elective course designed to improve decoding, reading for information using a variety of reading materials and writing using reading skills through a concentrated course of reading strategies and vocabulary work. The course includes individual assessment, goal setting, and some computer work. Recommend concurrent enrollment with Literature and Language Levels A,B, or C level English. This course is required if a student shows eligibility based on reading assessments at middle school or high school levels. (ST# 01067A000 or 01068A000)

HEARING IMPAIRED ENGLISH - GENERAL COURSE DESCRIPTION: See Special Education English (above). (ST# 01009A000)

HEARING IMPAIRED MATH - GENERAL COURSE DESCRIPTION: See Special Education Math (above). (ST# 02071A000 or 02151A000)

MATH (Grades 9-12, Leveled) - GENERAL COURSE DESCRIPTION: Math levels offered for Pre-Algebra, Algebra, Geometry and Jr. Math. These classes parallel the general math curriculum and cover similar topics with fewer, more in-depth math skills emphasized. Core classes 1-4 classes emphasis is on everyday situations related to number operations, percentages, decimals, single and multi-step problem solving for everyday situations. Three years of math instruction are required by state law for graduation. (ST# 02001A000, or 02051A000)

WORLD STUDIES (Grade 9-12) - GENERAL COURSE DESCRIPTION: An overview of world events from prehistoric to contemporary times with emphasis on reading comprehension, critical thinking and basic research. Thiscourse parallels the general World Studies class and is a 9th grade requirement. Students who enter without a World Studies class from another district will need to enroll at least one semester. Offered on a rotational basis. (ST# 04061A000)

AMERICAN HISTORY (Grade 9-12) - GENERAL COURSE DESCRIPTION: This course covers American History from 1865 to the present. Major themes are wars, world conflicts, organized labor, immigration, the Great Depression, civil rights, domestic problems during the 60s and 70s and current social and political issues. This is a one year required course for graduation. This course emphasizes reading and writing strategies plus research on related topics. Offered on a rotational basis. (ST# 04149A000)

AMERICAN GOVERNMENT (Grade 9-12) - GENERAL COURSE DESCRIPTION: This course examines our government and how it has evolved since the Constitution was written. Units of study include; The rights and responsibilities of citizens: the political process, how laws are made, enforced and examined, and campaigns and elections. Passing the Constitution test in this course is a requirement for graduation. Offered on a rotational basis. (ST# 04151A000)

PROBLEMS AND ISSUES (Grades 9-12) - GENERAL COURSE DESCRIPTION: An elective course emphasizing current events, national and international problems covered in newspapers, on TV, online, and in weekly news magazines. Students will become more informed about the world around them and will analyze the news through discussions, vocabulary work and projects. This course is intended to expand the student's view of the country and the world. This is a reading and writing intensive course to prepare for the PSAE. Offered on a rotational basis. (ST# 04064A000)

HEARING IMPAIRED SOCIAL STUDIES - GENERAL COURSE DESCRIPTION: See Special Education Social Studies (above). (ST#)

HEALTH (Grades 9-12) GENERAL COURSE DESCRIPTION: Special Education Health is designed to enable the special education student to apply basic health concepts to practical situations. This course is required for graduation and promotes healthy living. (ST# 08051A000)

HEARING IMPAIRED HEALTH - GENERAL COURSE DESCRIPTION: See Special Education Health (above). (ST# 08051A000)

SCIENCE, BIOLOGY (Grades 9-12) GENERAL COURSE DESCRIPTION: Students will learn about the themes of life science through "hands-on investigations, applied technology, classroom discussions and language based lessons. Topics of study include: the scientific process, organization and interaction of living systems, cells, genetics, change of life over time and science technology. Students will study various types of graphs in relation to the above topics. This year-long course is designed for first year science students that need the structure and academic support of a special education classroom. Offered on a rotational basis. (ST# 03062A000)

SCIENCE, PHYSICAL SCIENCE (Grades 9-12) - GENERAL COURSE DESCRIPTION: Students will learn the basics of physical science through "hands-on" investigations, the application of technology, classroom discussion and language based lessons. Topics of study include: the scientific process and inquiry, measurement, energy, Newton's law, magnetism, gravity, basic chemistry, geology, meteorology, astronomy and careers in science. This year-long course is designed for second year science students that need the structure and academic support of a special education classroom. Two years of science are required by state law for graduation. Offered on a rotational basis. (ST# 03999A000)

HEARING IMPAIRED SCIENCE - GENERAL COURSE DESCRIPTION: See Special Education Science (previous page). (ST# 03999A000)

DIVERSIFIED OCCUPATIONS 1-2 - (Grades 9 & 10)- GENERAL COURSE DESCRIPTION: This class is an in-school work preparation program designed to help students develop appropriate work skills. Skills include following multi-step directions, completing assignments within time constraints by developing work speed, working cooperatively, and sequencing tasks. An emphasis is placed on service projects such as recycling and preparing materials for elementary buildings. When a student has attained appropriate skills and junior or senior standing, he/she will be referred to community employment through the STEP work-study program. This class provides students pre- employment activities aligned to the IL Transition Planning Standards.(ST# 22152A000)

SECONDARY TRANSITIONAL EMPLOYMENT PROGRAM OR STEP 1 AND 2 (Grades 11 & 12)- GENERAL COURSE DESCRIPTION: A two-year progressive program that assists students in exploring a career and developing skills and behaviors which are common to every job. These skills include but are not limited to: punctuality, attendance, cooperation, quality and quantity of work. In addition to daily classes, students are placed or find jobs in appropriate work experience positions. The goal of this program is to develop necessary skills to obtain competitive employment upon graduation. Transition activities help students develop realistic post high school goals and plans. *Students may be referred to the Department of Rehabilitation Services (DRS) through STEP class. Students can earn 1/2 credit for classroom instruction and 1/2 credit or on-the-job training instruction each semester. The student will not receive credit for the OJT portion of this course unless they maintain a minimum number of hours, as determined by the vocational coordinator during the course, at a community training site or through

part-time competitive employment. OJT grading for all students will be credit/no credit option. Students enrolled in a full year of S.T.E.P. 1 receive nine weeks of Consumer Education instruction to meet MHS and the State of Illinois Consumer Education requirements as described in the School Code Section 27.12.1 (ST# 22153A001)

STUDY SKILLS 1-4 (Grades 9-12) - GENERAL COURSE DESCRIPTION: An elective special education course designed to assist students who are enrolled in general education core classes. Course content includes the acquisition of skills and strategies needed to meet goals and objectives as well as learn general education course content. Individual goal setting, pre-teaching and re-teaching of general education curriculum, as well as backfilling of academic deficits occurs daily. Projects which include a daily focus on math, writing, reading are rotated throughout the week. Progress monitoring of academic or behavior goals and objectives is completed weekly or quarterly, along with transition planning, organizational strategies and supports, and completion of transition rubrics occurs as indicated in the student's IEP. (ST# 22003A000)

LIFE CHOICES 1-4 (Grades 9-12) GENERAL COURSE DESCRIPTION: An elective course designed to increase student responsibility and maturity, to help prepare students for life after high school. Course will include community field trips, guest speakers and cooperative learning activities.(ST# 22253A000)

DECISION MANAGEMENT - GENERAL COURSE DESCRIPTION: Language and communication, math, science, and social studies curriculum focused on functional skills needed for day to day life. This includes verbal and writing skills, time and money skills, cooking skills, and community learning. (ST# 22251A000)

ADULT LIVING - (Grades 9-12) - GENERAL COURSE DESCRIPTION: A continuum of classes designed to provide the special needs student with the personal skills and independent living skills needed for successful community living and employment. These skills include personal behavior, home care, use of transportation, proper nutrition, home safety, hygiene, and interpersonal relationships. Community based field trips will be utilized to develop these skills. This class meets requirements of the IL Transition Planning standards. (ST# 22251A000)

HEARING IMPAIRED COMMUNICATION SKILLS - GENERAL COURSE DESCRIPTION: Focuses on study skills, social skills, pragmatic skills and total communication skills necessary for hearing impaired students to succeed in a hearing world. Recommendations are made by primary implementers and are based on grades, test scores, motivation and individual needs of each student. (ST# 22252A000)
ADAPTED PE - GENERAL COURSE DESCRIPTION: This course provides knowledge and experience in both team and individual activities tailored to meet the needs of individual students at the life skills level. (ST#08001A000)

PE - GENERAL COURSE DESCRIPTION: This course provides knowledge and experience in both team and individual activities tailored to meet the needs of individual students.(ST#08001A000)

OCCUPATIONS - GENERAL COURSE DESCRIPTION: This class is a preparatory work program designed to assist students enrolled in the life skills program. Students work to develop independent functioning skills as it relates to self-care, job development, and independent living skills needed for community living and employment. (ST#22251A000)

*The Academic Support Room is available periods 1 through 7 for tutoring, assistance with general education assignments, and the reading of tests and quizzes. (ST# 22005A000)

VISUAL ART DEPARTMENT

Subject	Sem 1 Course No.	Sem 2 Course No.	Year	Prerequisites, Recommendation and Related Information
Art Foundations	FA501	FA502	9-12	None
Digital Art	FA451		9-12	Art Foundations recommended but not required for 10-12th graders
Animation		FA452	9-12	Digital Art
Mixed Media	FA459	FA460	9-12	Art Foundation recommended but not required for 10-12th graders
Drawing 1	FA505	FA506	10-12	Art Foundations
Painting 1	FA525	FA526	10-12	Drawing 1
Advanced 2D Explorations	FA507	FA508	11-12	Drawing 1 Required C or higher Painting 1 Recommended C or higher
Jewelry & Metals 1	FA517	FA518	10-12	Art Foundations recommended but not required
Jewelry & Metals 2		FA522	10-12	C or better Jewelry & Metals 1
Ceramics 1	FA509		10-12	Art Foundations recommended but not required
Sculpture 1		FA510	10-12	Art Foundations recommended but not required
Ceramics 2	FA511		11-12	C or better in Ceramics 1
Sculpture 2		FA512	11-12	C or better in Sculpture 1
Photography Arts	VT709	VT710	9-12	None
Advanced Photography Arts		VT712	9-12	Photography Arts
AP Studio Art	FA519	FA520	11-12	Art Foundations, Drawing 1,and Advanced 2D Explorations is Required, Painting 1 is highly recommended and a choice of 3D or a digital course with a B or higher.
AP Art History	FA441	FA442	10-12	Overall GPA of B or higher

NOTE: Department honors in Art will be awarded to: Each senior who has earned six A's in Art by the end of their senior year.

VISUAL ART DEPARTMENT COURSE DESCRIPTIONS

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ART FOUNDATION - GENERAL COURSE DESCRIPTION: General Art is an exploratory course that provides a wide variety of contemporary art project experiences designed to challenge and excite the student's view of what art really can be. WIth an emphasis on basic art elements and principles, General Art will prepare the student with basic skills necessary to create. No prior art classes are required. Open to grades 9-12. All course materials supplied. (ST#05154A000)

DIGITAL ART - GENERAL COURSE DESCRIPTION: The Digital Art course offers high school students an immersive introduction to the world of digital creativity. This course covers a range of techniques and tools used in digital art creation, including graphic design, digital painting, and multimedia art. Students will learn to use industry-standard software such as Adobe Photoshop, explore design and color theory principles, and develop skills in 2D digital art forms. Through individual and collaborative projects, students will gain experience in creating compelling digital artworks and building a personal portfolio. The course aims to foster artistic expression, technical proficiency, and an understanding of digital art's role in contemporary media. (ST# 11153A001)

ANIMATION - GENERAL COURSE DESCRIPTION: The Animation course introduces high school students to the fundamentals of animation, from classic techniques to modern digital methods. Students will explore the core principles of animation, such as timing, spacing, and storytelling while gaining hands-on experience with industry-standard software. The course covers 2D animation, including character design, motion sound, rigging, morphing, graphics, and visual effects. Through a combination of individual and group projects, students will create original animations, learn the workflow of animation production, and develop a portfolio showcasing their work. This course aims to enhance technical skills, encourage creativity, and provide an understanding of animation's role in film, gaming, and digital media. Successful completion of Digital Art is required. (ST# 10202A002)

MIXED MEDIA - GENERAL COURSE DESCRIPTION: Mixed Media class covers diverse areas such as drawing, calligraphy, mosaics, weaving, paper arts, jewelry, painting, paper mache, three-dimensional works, ceramics, textiles, basket making, printmaking and silk screen. Artworks created in mixed media require persistent effort. Students who take this class should have a desire to work with materials and processes to solve problems and create artifacts. Most materials will be provided. Processes are taught through teacher demonstrations, student demonstrations, expert video tutorials, and guest artists. Each unit begins with research and investigation. The artworks that are the inspiration for these projects have historical roots and contemporary traditions that we will investigate by creating inspiration boards. Students will complete several projects; among them may be a book, cube, bowl, relief print, small sculptures or jewelry, marbled papers, monoprints, a hand-lettered poster, and tie-dyed fabric. Prerequisite: Freshman students must take Art Foundations. Art Foundations recommended but not required for 10-12th graders. (ST# 05165A000)

DRAWING 1 - GENERAL COURSE DESCRIPTION: Through a series of projects, students will enhance their knowledge and skills in drawing from observation and creativity by further exploring fundamental drawing elements and principles of art. Students will become familiar with different drawing media including graphite, pen & ink, oil pastels, chalk pastels and colored pencils. Sketchbook and homework assignments will complement classroom projects. Prerequisite: Art Foundations (Offered for 1 semester) Grade 10-12. (ST# 05155A000)

PAINTING 1 - GENERAL COURSE DESCRIPTION: This course offers an understanding of basic color theory and will extend to an exploration of the emotional and persuasive application of color. Students will learn essential acrylic, watercolor, oil painting techniques, including opacity, translucence, texture and surface manipulation, and will apply those principles in projects that involve both observation and imagination. Emphasis will be on composition, balance, focus, depth and form. Sketchbook assignments will complement studio work. Prerequisite: Drawing 1 (Offered for 1 semester) Grade 10-12.

ADVANCED 2D EXPLORATIONS - GENERAL COURSE DESCRIPTION: Students will solve visual problems, research, plan and create images with personal meaning that incorporate drawing and painting and mixed media. Students will create original art that practices artistic behaviors such as developing a personal voice, the ability to plan, reflect, revise and take risks. This work will represent the student's "Breadth" and refinement of technical skills and expressions. Prerequisite: Drawing 1 and Painting1. (St#05157A000 & 05156A000)

JEWELRY & METALS 1 - GENERAL COURSE DESCRIPTION: (Prerequisites: Art Foundations is recommended, open to grades 10-12) This is a semester long course designed to familiarize students with basic and traditional metal techniques. Design inspiration from nature, contemporary and historical fine art jewelry and other resources will be encouraged. Project assignments will require design and fabrication to create authentic rings, pendants, bracelets, earrings, necklaces, and sculptures. These techniques include wire manipulation, jump rings, piercing, riveting, bending, adhesives, patina, etching, stamping and surface textures. Special projects include glass fusing. Materials include copper, nickel, brass, aluminum, wood, plastic, found objects and glass. THE STUDENT: The student will work with their hands, and should have an interest in art, as well as in developing their skills to the best of their ability. Students will work at their own pace and are graded on their use of time, understanding of terminology, use of tools, and overall effort. This course offers students as consumers a chance to understand and appreciate the process involved in the world of fine art jewelry. (ST#)

JEWELRY & METALS 2 GENERAL COURSE DESCRIPTION: (Prerequisite: Grade C or better in Jewelry & Metals I, available to grades 10-12) This is a semester long course and focuses on advanced metalsmithing techniques. These include forming, shaping, soldering, brazing, and casting. Special projects include glass beads and enameling. Project assignments will be uniquely fabricated into jewelry pieces, containers, or sculptures. Creativity and design inspiration is encouraged from nature, contemporary and historical fine art jewelry, as well as other resources. Materials include silver, copper, nickel, brass, wood, plastic, found objects and glass. THE STUDENT: The student will work with their hands, and should have an interest in art, and metalsmithing, as well as in further developing their skills to the best of their ability. Students will work at their own pace and are graded on their use of time, understanding of terminology, use of tools, and overall effort. This course offers students a chance to understand and appreciate the process involved in becoming a metalsmith and jewelry designer. (ST#)

CERAMICS 1- 1st Semester - GENERAL COURSE DESCRIPTION: (Art Foundations recommended but not required for 10-12). This is a course designed to teach basic ceramic techniques and applications such as hand-building, the skills of wheel-thrown pottery, and exposure to basic glazing techniques. This course will also introduce the concepts of maintaining a studio space in a production Art environment. THE STUDENT: The student should have an interest in art and in developing their 3 Dimensional skills to the best of his ability.. (ST# 05159A000)

SCULPTURE 1- 2nd Semester - GENERAL COURSE DESCRIPTION: (Art Foundations recommended but not required for 10-12). This is a course designed to teach basic Sculpture techniques such as the additive and subtractive processes as well as casting, carving, modeling and assembling, This course will also introduce new materials such as clay, cardboard, plaster, wire, and possibly other materials to showcase the possibilities of sculpture and 3D design. THE STUDENT: The student should have an interest in art and in developing their 3 Dimensional skills to the best of his ability. (ST# 05159A000)

CERAMICS 2 - GENERAL COURSE DESCRIPTION: : (Prerequisite: Grade C or better in Ceramics 1, open to grades 11-12). Advanced techniques in wheel-thrown and hand-built ceramics will be explored in this second year of ceramics. The projects assigned in this class will require greater sophistication and understanding of clay construction and pottery principles than Ceramics 1. Loading and firing of kilns will be taught as well as developing new clay and glaze formulas. Ceramics 2 will also require more independent studio work and research during projects as the course progresses. THE STUDENT: The student should have an interest in and an understanding of the fundamentals of Ceramics and be interested in further developing their 3 Dimensional Art and Design skills. (ST#05159A000)

SCULPTURE 2 - GENERAL COURSE DESCRIPTION: : (Prerequisite: Grade C or better in Sculpture 1, open to grades 11-12). Advanced techniques in 3 dimensional sculpture and design will be explored in this second year of sculpture. The projects assigned in this class will require greater sophistication and understanding of sculpture techniques and design principles than Sculpture 1. Alternative techniques of casting, carving, modeling and assembling will be taught as well as studio management skills, material uses, and production practices. Sculpture 2 will also require more independent studio work and research during projects as the course progresses. THE STUDENT: The student should have an interest in and an understanding of the fundamentals of Sculpture and be interested in further developing their 3 Dimensional Art and Design skills. (ST#05159A000)

PHOTOGRAPHY ARTS - GENERAL COURSE DESCRIPTION: The Photography Arts course provides high school students with a practical introduction to the fundamentals of photography. This course covers essential aspects of capturing and editing images, focusing on both technical skills and artistic expression. Students will learn about camera operation, including different types of cameras and lenses, as well as basic principles of composition and lighting. The course also includes training in post-processing techniques to enhance and refine images. Assignments will involve both individual and group work, with opportunities to build a portfolio of images. The course aims to provide students with a solid foundation in photography and an understanding of its role as an art form. (ST# 1154A001)

ADVANCED PHOTOGRAPHY ARTS - GENERAL COURSE DESCRIPTION: This advanced photography course builds upon the foundational knowledge gained in Photography Arts. Students will delve deeper into the technical aspects of photography, explore advanced compositional techniques, and experiment with various photographic styles and genres. Through in-depth projects and assignments, students will refine their artistic vision and develop a unique photographic voice. (ST# 11154A002)

AP STUDIO ART - GENERAL COURSE DESCRIPTION: This course is an Advanced Placement Studio Art Class. It is a college level course designed for highly motivated students seeking to pursue higher level understanding and are interested in an art related profession. Students will be required to create a Portfolio (collection of works) that includes-1) A sustained investigation of 15 works. 2) 5 selected works. Students will need to select one specific area of focus for the portfolio (2D, 3D, or Digital Media). The objective of this portfolio is to show student growth through research, syntheses of materials and methods, and personal reflection in one of the following areas; Drawing, 2-Dimensional Design or 3-Dimensional Design. The student should have a "B" average or higher and have the ability to work

independently both in and outside of the classroom. This course can serve as a preparation for those who wish to take the AP Studio Art exam. The exam is not a requirement but strongly encouraged. Prerequisite: Art Foundations, Drawing 1, Advanced 2D Explorations, Painting 1 is highly recommended and a choice of 3D of a digital course with a teacher recommendation. (ST#05171A000)

AP ART HISTORY - GENERAL COURSE DESCRIPTION: The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history. No prerequisites required. Open to grades 10-12 THE STUDENT: Should have a “B” average or higher. Since several works will be analyzed, observed and discussed attendance is necessary and most reading and research assignments will need to be done outside of class to prepare for the AP Art History Exam. (ST#)

AREA CAREER CENTER COURSES

Subject	Sem 1 Course No	Sem 2 Course No	Year	Prerequisites, Recommendation and Related Information
Auto Body 1	VT787	VT788	11-12	None
Auto Body 2	VT789	VT790	12	Credit in Auto Body 1
Auto Mechanics 1	VT603	VT604	11-12	None
Auto Mechanics 2	VT615	VT616	12	Credit in Auto Mechanics 1
Barbering 1	VT801	VT802	11-12	None
Barbering 2	VT867	VT868	12	Credit in Barbering 1
Building Trades 1	VT773	VT774	11-12	None
Building Trades 2	VT775	VT776	12	Credit in Building Trades 1
Design & Drafting 1	VT741	VT742	11-12	None
Design & Drafting 2	VT743	VT744	12	Credit in Design & Drafting 2
Early Childhood Education 1	VT851	VT852	11-12	Child Development and/or Parenting recommended
Early Childhood Education 2	VT853	VT854	12	Credit in Early Childhood Education 1
****Extended Campus Health Occupations 1 (ECHO)**	VT849	VT850	11-12	Students will need social security number for FBI background check
****Extended Campus Health Occupations 2 (ECHO)**	VT847	VT848	12	Credit in ECHO 1: Nurse Aide Certification; must provide own transportation to internship sites
Fire Science/ Fire Fighting 1	VT879	VT880	11-12	Juniors and Seniors interested in Fire Science, fire Fighting, and EMT
Fire Science 2/ Emergency Responder	VT881	VT882	12	Credit in Fire Science 1
Graphic Arts 1	VT563	VT564	11-12	None
Graphic Arts 2	VT565	VT566	12	Credit in Graphic Arts 1
****Law Enforcement and Public Safety 1**	VT875	VT876	11-12	Juniors and Seniors interested in Law and Law Enforcement
****Law Enforcement and Public Safety 2**	VT877	VT878	12	Credit in Law Enforcement and Public Safety 1 or Intro to Health Occupations
Manufacturing Tech 1	VT619	VT620	11	Selection by Screening Committee (*)

Manufacturing Tech 2	VT807	VT808	12	Credit in Manufacturing Tech 1
**** Welding 1**	VT779	VT780	11-12	None
**** Welding 2**	VT785	VT786	12	Credit in Welding 1
Woodworking Trades 1	VT601	VT602	11-12	None
Woodworking Trades 2	VT625	VT626	12	Credit in Woodworking Trades 1

NOTE: Departmental honors in Vocational Technology will be awarded to: Each senior evaluated on academic excellence, broad participation in the department, cooperation, attendance patterns, work habits, and attitudes.

*Students must apply for a position in the course. Screening will be done by Deere Harvester Works. Selection of 11th grade students only, based upon application, attendance, recommendation of staff, and screening interview. Students must provide their own transportation.

**Dual Enrollment Dual Credit is available through Black Hawk College.

VOCATIONAL CAREER CENTER COURSE DESCRIPTIONS

AUTO BODY 1 AND 2 - GENERAL COURSE DESCRIPTION: This is a two year program geared toward students with good manual dexterity and an appreciation for craftsmanship in a high demand field. In these courses, students will develop skills in welding, metal forming and straightening, and will apply an understanding of geometry to frame and front alignment. Instruction in straightening doors and fenders, replacement of panels, alignment of all sheet metal parts, mixing and matching paints, and paint application is also included. The second year of the program includes instruction in estimating, making shop tickets, replacing door glass, and custom painting and framework. Lab fee required. Safety glasses and welding gloves required. Cotton overalls to be purchased on your own. (ST# 20116A001 & 20116A002)

AUTO MECHANICS 1 AND 2- GENERAL COURSE DESCRIPTION: This is a two year program designed to prepare students for a career in the automotive industry. This field becomes more technical every day, requiring intelligent service personnel. A variety of automotive systems are studied during the two years. Also, students will participate in many lab activities on actual vehicles. For interested students, this is the opportunity to build a firm foundation in the automotive field. Students are expected to provide adequate work clothing, but are not required to purchase specific items of clothing. Lab fee required. Safety glasses required. (ST# 20104A001 & 20104A002)

BARBERING 1 - GENERAL COURSE DESCRIPTION: This is the first year of a two year program in Barbering. The barbering program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. This course offers students curriculum in both theory and practice in the following areas as they relate to the practice of barber science and art: anatomy; physiology; skin diseases; hygiene and sanitation; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare students for Barbering 2, while earning hours towards licensure. Lab fee may be required. (ST#19102A001)

BARBERING 2 - GENERAL COURSE DESCRIPTION: This is the second year of a two year program in Barbering. The barbering program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. It offers advanced theoretical and practical skill development to prepare students for the barbering license exam. Training will cover at a minimum: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; bleaching tinting, and coloring; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Knowledge, skills, and activities completed in Barbering 1 and 2 will prepare students to take the licensure exam and progression to obtain the 1500 hours of study in barbering. Lab fee may be required. Costs of tools will be negotiated. (ST#19102A002)

BUILDING TRADES 1 AND 2 - GENERAL COURSE DESCRIPTION: This is a two year program providing experiences in all phases of the construction industry. The major course project - building a house - allows students to engage in concrete work, carpentry, roofing, tin work, tile work, and painting. Students must provide their own hammers and rules as well as adequate work clothing, but they are not required to purchase specific items of clothing. (ST# 17002A001 and 17002A002)

DESIGN AND DRAFTING 1 - GENERAL COURSE DESCRIPTION: **Architectural** course is designed to provide students interested in a career in Architecture with information and practical experience needed for the development of job-related competencies. Students are made aware of the career opportunities available in the Architectural Drafting and Architectural Drafting CAD-CADD field. Instruction is provided in the areas of planning and organizing activities, researching information, performing general office procedures, preparing of preliminary drawings, basic layout, detail drawings, reproduction techniques, producing working drawings, and computer aided drafting. Students are also provided with instruction in producing architectural drawings in the areas of presentation, floor plans, illustration of landscape features, sketching preliminary floor plans, drawing foundation plans and sections, exterior elevations, stair sections, chimney sections, roof sections, finish schedules, preparing plumbing, HVAC and electrical plans, and structural drawings. Lab fee required. (ST#21103A001) **Mechanical** course introduces students to layout to scale using specified tolerances, preparing detailed drawing for individual parts from drawings, layout and creating assembly drawings, and preparing mechanical orthographic subassembly drawings. This course also included a sequence of CAD experiences in 2-dimensional and 3-dimensional drawing generation to include vocabulary development, system operation, entity creation, dimensioning and text insertion, plotting, three dimensional coordinate system, 3-D parts detailing and assembly drawings, wire frame models, and system management. Lab fee required. (ST#21106A001)

DESIGN AND DRAFTING 2 - GENERAL COURSE DESCRIPTION: Architectural instruction is provided in the areas of locating information using computer data files, determination of materials and availability, project conferences, checking plan dimensions, drawing schematic sketches, preparing scale sketches, producing drawings from written/verbal instructions, application of coordinate dimensioning standards, creating drawings using a plotter/printer, producing renderings and/or charts and graphs, and common plan features. Instruction is also provided in the areas of drawing framing plans, wall sections, fireplace sections, door sections, door and window schedules, dimensioning structural steel drawings, constructing column detail drawings, preparation of structural foundation, slab and floor plans, drawing electrical, block, schematic, and electrical connection drawings. Skills relating to CAD include preparation of a basic CAD drawing, building and editing a database, developing a 3-dimensional drawing and selecting appropriate line work, line weight, and color. Lab fee required. (ST#21103A002) Mechanical instruction is provided in the areas of identifying appropriate interfacing personnel (internal/external), producing renderings and project time schedules, producing structural working drawings as structural steel plans,

dimension structural steel drawings, and draw beam connections, and producing electrical and electronic working drawings as electrical and electronic schematic diagrams. Additional skills introduced in this program include determining the requirements of a specific drafting job, preparing preliminary drawings such as freehand, isometric, orthographic, and oblique sketches; preparing detail drawings such as creating assembly drawings, orthographic projections, sectional views, auxiliary views, isometric views and letter drawings; producing mechanical working drawings such as detailing components of mechanical orthographic assembly and subassembly drawings; and using CAD command processes to prepare a basic CAD drawing. Lab fee required. (ST#21106A002)

EARLY CHILDHOOD EDUCATION 1 - GENERAL COURSE DESCRIPTION: This is a one year program offering learning opportunities relating to the needs of children, child development, and techniques of child care. In the laboratory, students will observe pre-school, daycare, elementary and special needs children. They will learn how to work comfortably with them and plan activities for individual children as well as play groups of children. Beginning in October, students attend a child care facility on Tuesdays, Wednesdays and Thursdays. In addition to the lab fee, students are required to have a current physical and TB test. Both must be no earlier than May of the current year. Completion of Child Development and/or Parenting is recommended. Lab fee required. (ST# 19054A001)

EARLY CHILDHOOD EDUCATION 2 - GENERAL COURSE DESCRIPTION: This is a two year program designed to give students classroom and practical training hours in order to qualify for the CDA (Child Development Associate) credential. Students fulfill the CDA by working with children at a child care site during the academic school year. Classroom instruction is also provided for meeting other requirements necessary to be fully qualified for employment at a licensed child care center upon graduation from high school. A course in Child Development is required for certification. This class generally meets from 8:55-11:35a.m. Monday through Friday. Lab fee required. (ST# 19055A001)

EXTENDED CAMPUS HEALTH OCCUPATIONS (ECHO) 1 - GENERAL COURSE DESCRIPTION: This is a Certified Nursing Assistant program, approved by the Illinois Department of Public Health (Program #0288). At the end of this year-long course, students who complete all requirements will be eligible to take the Illinois Competency Exam and will receive CNA credentials. This class introduces students to the fundamentals of healthcare and nursing assistant skills through theory, lab, and clinical rotations. Clinical rotations involve students in direct patient care in nursing homes and hospitals under supervision of the UT ACC clinical instructor. This class is also an 8 hour dual credit class through Black Hawk College. Lab fee required. White Uniform, shoes, and a watch with sweep second hand movement are required. State Certification testing is optional. (ST# 14051A001)

EXTENDED CAMPUS HEALTH OCCUPATIONS (ECHO) 2 - GENERAL COURSE DESCRIPTION: This course is comprised of two theory sections: first semester, 3 hour dual credit medical terminology class and second semester pathophysiology basics. Students will also be involved in various short clinical internships of their choosing. Students must provide their own transportation to internship sites. Lab fee required. (ST# 14154A001)

FIRE FIGHTING 1 AND FIRE FIGHTING 2/EMERGENCY RESPONDER - GENERAL COURSE DESCRIPTION: This is a two year program that prepares students for a career as a FireFighter or related Fire Science occupation. During the first year students will learn skills needed to prevent and extinguish fires, maintain and repair fire service related equipment, provide basic emergency medical treatment, and prepare public service information concerning fires and hazardous materials. In the second year course, students will build upon the knowledge and skills gained during the first year as well as learn fire control techniques, fire detection systems, fire prevention practices, communication

procedures, and response procedures for injuries, environmental emergencies and hazardous wastes. Lab fee required. (ST# 15152A001 or 15152A002)

GRAPHIC ARTS 1 AND 2 - GENERAL COURSE DESCRIPTION: This is a two year program that introduces students to the graphic arts/printing industry. The program will provide instruction in Desktop Publishing, design and layout, line and half-tone photography, press preparation and operation, silk screening, still photography, sign making, and embroidery. (ST# 1154A001 or 1154A002)

LAW ENFORCEMENT AND PUBLIC SAFETY 1 AND 2 - GENERAL COURSE DESCRIPTION: This is a two year program designed to prepare students to enter into the fields of law enforcement and the criminal justice system. Instruction will include the history of law enforcement and the legal system, report writing and record keeping, criminal investigation techniques, and routine police procedures. Students will learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction will also include patrolling techniques, private security operations, traffic investigation, and community relations. Lab fee required. (ST# 15054A001 & 15054A002)

MANUFACTURING TECHNOLOGY 1 AND 2 - GENERAL COURSE DESCRIPTION: This is a two year innovative PCCS program in which students experience manufacturing processes first-hand. Some of the training will be conducted on-site at the John Deere Harvester Works plant. Students will receive training on current production machines and equipment from experienced workers. John Deere employees will lead these students through a wide variety of educational experiences in order to teach technical skills as well as general employability skills. Management personnel conduct training seminars in areas such as teamwork and problem solving. Candidates for this program must have a proven history of good attendance. Applicants are selected through an interview process with John Deere Harvester Works staff. Qualifying seniors will receive a full scholarship at Black Hawk College. Lab fee required. Safety glasses required. (ST# 13055A001 & 13055A002)

WELDING 1 AND 2 - GENERAL COURSE DESCRIPTION: This is a two-year program designed to make students employable as welders in a local industry. This course provides instruction in common welding processes including oxy-acetylene, brazing, soldering, electric arc, MIG and TIG, as well as in the preparation and layout of different welding joints, the care of expansion, contraction and stressing of metals, and the operation, care and repair of welding equipment. This class is eligible for dual credit through Black Hawk College. Lab fee required. Safety glasses required. Welding gloves required. In addition, students are expected to provide adequate work clothes; however, they are not required to purchase specific items of clothing. Students attending the 7:00 a.m. class must provide their own transportation to the ACC. (ST# 13207A001 & 13207A002)

WOODWORKING 1 AND 2 - GENERAL COURSE DESCRIPTION: A two-year program that prepares students as entry-level cabinetmakers and millworkers. Students are introduced to both entry-level and advanced levels of cabinetry and the precision phases of the cabinetmaking trade. Units of study include machine set-up and safety, small box construction projects (jewelry and shadow boxes), kitchen cabinet construction, lathe-turned projects, furniture refinishing and repair, advanced joint techniques, and use and production of jigs and fixtures in mass production. Life for career success including team building, problem solving, and career exploration are also taught. (ST# 17007A001 & 17007A002)

AREA CAREER CENTER

The Area Career Center is located at 1275 Avenue of the Cities East Moline, which is at the south end of United Township High School. Moline High School juniors and seniors are eligible to enroll in any of the programs offered by the ACC.

Students who desire a specific course must complete the appropriate application. Applications may be obtained from your school counselor. Some ACC programs require an interview and/or a mandatory parent/student meeting for admission. Final approval and enrollment is based upon the application, the qualifications of the student, and the recommendation of the school counselor. Enrollment in Area Career Center courses will not be denied to any students because of physical handicap or economic disadvantage.

NOTE: All Area Career Center programs meet daily for 2 hours. Students must provide for their own transportation.

WORLD LANGUAGES DEPARTMENT

Subject	Sem 1 Course No	Sem 2 Course No	Year	Prerequisites, Recommendation and Related Information
French Heritage Learners	FL459	FL460	9-12	Speaking, writing, and reading knowledge of French and/or department chair approval
French 1	FL401	FL402	9-12	None
French 2	FL403	FL404	9-12	French 1 or its equivalent
French 3	FL 405	FL406	9-12	French 2 or its equivalent
French 4	FL407	FL408	9-12	French 3 or its equivalent
AP French	FL461	FL462	10 - 12	French 3 or its equivalent
Spanish Heritage Learners Beginning	FL435	FL436	9-12	Speaking, writing, and reading knowledge of Spanish and/or department chair approval
Spanish Heritage Learners Intermediate	FL439	FL440	9-12	Spanish Heritage Learners Beginning or equivalent
Spanish Heritage Learners Advanced	FL 449	FL450	9-12	Spanish Heritage Learners Intermediate or equivalent
Spanish 1	FL425	FL426	9-12	None
Spanish 2	FL427	FL428	9-12	Spanish 1 or its equivalent
Spanish 3	FL429	FL430	9-12	Spanish 2 or its equivalent
Spanish 4	FL433	FL434	9-12	Spanish 3 or its equivalent
AP Spanish	FL463	FL464	10 - 12	Spanish 3 or its equivalent

NOTES:

•The World Languages Department highly recommends a four-year sequence in one language for any college-bound student or for any student who intends to use a world language in his/her profession.

•Any student who fails the first semester of any language course cannot take the second semester of that course.

•Departmental honors in world languages will be awarded to each senior who has taken the same language for all four years and has earned seven A's by the end of their first semester of their senior year or has scored a 3 or higher on the AP exam prior to their senior year or has an overall score of intermediate, mid or higher on the AAPPL proficiency exam.

•Students enrolled in world languages may join that language's club. These include: French Club, Spanish Club, and Latidos Unidos.

WORLD LANGUAGES DEPARTMENT COURSE DESCRIPTIONS

FRENCH HERITAGE LEARNERS - BEGINNING - GENERAL COURSE DESCRIPTION: This course is designed for students who speak and write French but wish to improve their ability to read and write the

language. Culture, history, and literature of the French-speaking world are interwoven throughout the course. (ST# 06126A000)

FRENCH 1 - GENERAL COURSE DESCRIPTION: The purpose of this course is to acquaint the student with a beginning French vocabulary, accurate pronunciation, and the basic principles of French grammar. The student will develop a balanced amount of the four skills: listening, speaking, reading, and writing. Culture is interwoven with language development. Daily class work, regular attendance, and active participation are required for successful completion of this course. (ST# 06121A000)

FRENCH 2 - GENERAL COURSE DESCRIPTION: The second year of French reviews and builds on concepts mastered in French 1. Vocabulary development increases rapidly. The student learns new grammar concepts and verb tenses that are integrated into speaking, listening, reading, and writing activities. Short readings in French focus on geography, history, and culture in the French-speaking world. During this second year of the language, the student will be required to use the four basic language skills in a more complex manner. (ST# 06122A000)

FRENCH 3 - GENERAL COURSE DESCRIPTION: This course provides a thorough review of vocabulary and language patterns introduced in French 1 and French 2. Advanced grammar concepts are incorporated as well. Culturally-based readings and studies are interwoven throughout the course, providing for growth in vocabulary and further development of the four essential language skills. Most of the class is conducted in French. (ST# 06123A000)

FRENCH 4 - GENERAL COURSE DESCRIPTION: This course is an intense review and enhancement of the four essential language skills. Students are expected to read, write, listen, and speak with an increased mastery of French. Students will read, discuss, and write about various works of French literature. Students are also expected to comprehend French as spoken by native speakers of the French-speaking world. Culture is integrated throughout the course. The class is conducted in French. (ST# 06124A000)

AP FRENCH - GENERAL COURSE DESCRIPTION: The AP French course emphasizes interpersonal, interpretive, and presentational communication in real-life situations. To best facilitate the study of language and culture, the course is taught exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products, practices, and perspectives. (ST# 06132A000)

SPANISH HERITAGE LEARNERS - BEGINNING - GENERAL COURSE DESCRIPTION: This course is designed for students who speak and write Spanish but wish to improve their ability to read and write the language. Culture, history, and literature of the Spanish-speaking world are interwoven throughout the course. (ST# 06106A000)

SPANISH HERITAGE LEARNERS - INTERMEDIATE - GENERAL COURSE DESCRIPTION: This course is designed for students who speak and write Spanish but wish to improve their ability to read and write the language. This course reviews and builds upon the grammar and writing skills acquired in the level one course. A more advanced study of the culture, history, and literature of the Spanish-speaking world will be interwoven throughout the course. Students will improve their reading skills in Spanish and learn more about the cultures of Spanish-speaking people. Enrollment in this course is open to students who have successfully completed Spanish Heritage Learners Beginning or to those who get department chair approval. Please note that students who may be admitted into this course without previously being

enrolled in the Spanish Heritage Learners Beginning or Spanish Heritage Learners Intermediate courses will not receive credit for those courses (ST# 06106A00)

SPANISH HERITAGE LEARNERS - ADVANCED - GENERAL COURSE DESCRIPTION: This course is designed for students who speak and write Spanish and wish to continue to improve their ability to read and write the language. This course reviews and builds upon the grammar and writing skills acquired in the level 2 course. Special emphasis will be placed on writing and reading. The course will also highlight the influences that history and culture have on present day Hispanic societies. Enrollment in this course is open to students who have successfully completed Spanish Heritage Learners Intermediate or to those who get departmental approval. Please note that students who may be admitted into this course without previously being enrolled in the Spanish Heritage Learners Beginning or Spanish Heritage Learners Intermediate courses will not receive credit for those courses.(ST#06106A00)

SPANISH 1 - GENERAL COURSE DESCRIPTION: The purpose of this course is to acquaint the student with a beginning Spanish vocabulary, accurate pronunciation, and the basic principles of Spanish grammar. The student will develop a balanced amount of the four skills: listening, speaking, reading, and writing. Culture is interwoven with language development. Daily class work, regular attendance, and active participation are required for successful completion of this course. (ST# 06101A000)

SPANISH 2 - GENERAL COURSE DESCRIPTION: The second year of Spanish reviews and builds on concepts mastered in Spanish 1. Vocabulary development increases rapidly. The student learns new grammar concepts and verb tenses that are integrated into speaking, listening, reading, and writing activities. Short readings in Spanish focus on geography, history, and culture in the Spanish-speaking world. During this second year of the language, the student will be required to use the four basic language skills in a more complex manner. (ST# 06102A000)

SPANISH 3 - GENERAL COURSE DESCRIPTION: This course provides a thorough review of vocabulary and language patterns introduced in Spanish I and Spanish 2. Advanced grammar concepts are incorporated as well. Culturally-based readings and studies are interwoven throughout the course, providing for growth in vocabulary and further development of the four essential language skills. Much of the class is conducted in Spanish. (ST# 06103A000)

SPANISH 4 - GENERAL COURSE DESCRIPTION: This course is an intense review and enhancement of the four essential language skills. Students are expected to read, write, and speak with an increased mastery of Spanish. Students will read, discuss, and write about various works of literature of the Spanish-speaking world. They are also expected to comprehend Spanish as spoken by native speakers. Culture is integrated throughout the course. Most of the class is conducted in Spanish. (ST# 06104A000)

AP SPANISH - GENERAL COURSE DESCRIPTION: The AP Spanish course emphasizes interpersonal, interpretive, and presentational communication in real-life situations. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops student's awareness and appreciation of cultural products, practices, and perspectives. (ST# 06112A000)

Freshmen Course Requests (Current 8th Grades Complete)

Subject	1st Semester course number	1st semester course name	2nd semester course number	2nd semester course name
English (preloaded)	EN251 EN317	Lit and Lang 1 Honors English 1	EN252 EN318	Lit and Lang 1 Honors English 1
Math (preloaded)	MA025 MA121 MA017 MA077	Algebra 1 Geometry Honors Geometry Honors Algebra 1	MA026 MA122 MA018 MA077	Algebra 1 Geometry Honors Geometry Honors Algebra 1
Science (preloaded)	SC135 SC149 SC169	Physics Honors Chemistry Physical Science	SC136 SC150 SC170	Physics Honors Chemistry Physical Science
Social Studies (preloaded)	SS191 SS185	World Studies AP European History	SS192 SS186	World Studies AP European History
PE (preloaded)	PE823 PE813	Physical Education Intro to Athletic PE	PE824 PE814	Physical Education Intro to Athletic PE
Elective	1.	1.	1.	1.
Elective	2.	2.	2.	2.

*Students are NOT automatically enrolled in Drivers Ed. If you want it on your schedule, you must request it in your elective #1 space. Space is limited and the semester may vary by number of requests. PE907 Driver's Education (born by April 1, 2010) - PE908 Driver's Education (born by September 1, 2010)

Freshman Alternates

Subject	1st semester course number	1st semester course name	2nd semester course number	2nd semester course name
Elective	1.	1.	1.	1.
Elective	2.	2.	2.	2.

Sophomore Course Requests (Current 9th Graders Complete)

Subject	1st semester course number	1st semester course name	2nd semester course number	2nd semester course name
English (Recommended class will show in Skyward)	EN253 EN319	Lit and Lang 2 Honors English 2	EN254 EN320	Lit and Lang 2 Honors English 2
Math (Recommended class will show in Skyward)	MA121 MA017 MA109 MA111	Geometry Honors Geometry Algebra 2 Honors Algebra 2	MA122 MA018 MA110 MA112	Geometry Honors Geometry Algebra 2 Honors Algebra 2
Science (Recommended class will show in Skyward)	SC159 SC149 SC151 SC185	Chemistry Honors Chemistry AP Biology Earth Science	SC160 SC150 SC152 SC186	Chemistry Honors Chemistry AP Biology Earth Science
Social Studies (Recommended class will show in Skyward)	SS209 SS233	American History AP American History	SS210 SS234	American History AP American History
PE (Recommended class will show in Skyward)	PE823 PE817	Physical Education Advanced Athletic PE	PE828	Health
Elective	1.	1.	1.	1.
Elective	2.	2.	2.	2.

*Students are NOT automatically enrolled in Driver's Ed. If you want it on your schedule, you must request it in your elective #1 space. Space is limited and the semester may vary by number of requests. PE907 Driver's Education (born by April 1, 2010) - PE908 Driver's Education (born by Sept. 1, 2010)

Sophomore Alternates

Subject	1st semester course number	1st semester course name	2nd semester course number	2nd semester course number
Elective	1.	1.	1.	1.
Elective	2.	2.	2.	2.

Junior Course Requests (Current Sophomores Complete)

Subject	1st semester course number	1st semester course name	2nd semester course number	2nd semester course name
English (preloaded)	EN255 EN321	Lit and Lang 3 Comp 101	EN256 EN322	Lit and Lang 3 Comp 102
Social Studies/Business (preloaded)	SS193 SS195	US Government AP US Government	BE482 SS196	Consumer Education AP US Government (will require CE to be taken in place of an elective)
PE	PE823 PE817	Physical Education Advanced Athletic PE	PE824 PE818	Physical Education Advanced Athletic PE
Math (full year)	MA109 MA111 MA131 MA137 MA159 MA139	Algebra 2 Honors Algebra 2 Precalculus Trigonometry AP Statistics Statistics	MA110 MA112 MA132 MA114 MA160 MA140	Algebra 2 Honors Algebra 2 Precalculus Algebra 3 AP Statistics Statistics
Elective #! (2 semesters)				
Elective #2 (2 semesters				
Elective #3 (2 semesters)				

Junior Alternates

Subject	1st semester course number	1st semester course name	2nd semester course number	2nd semester course name
Elective	1.	1.	1.	1.
Elective	2.	2.	2.	2.

Senior Course Requests (Current Juniors Complete)

Subject	1st semester course number	1st semester course name	2nd semester course number	2nd semester course name
PE	PE823 PE817	Physical Education Advanced Athletic PE	PE824 PE818	Physical Education Advanced Athletic PE
English (full year)	EN_____		EN_____	
Elective #1 (2 semesters) *Consider Math recommendation				
Elective #2 (2 semesters) *Consider Soc Stud requirements				
Elective #3 (2 semesters) *Consider Science				
Elective #4 (2 semesters) *Consider World Language, Engineering, or Music)				
Elective #5 (2 semesters)				

Senior year is designed to assist students in career exploration. Explore career matches in your XELLO account to see what courses you should consider taking that would help you gain experience, provide an opportunity for field exposure or help you prepare for your next level of education.

Senior Alternates

Subject	1st semester course number	1st semester course name	2nd semester course number	2nd semester course name
Elective	1.	1.	1.	1.
Elective	2.	2.	2.	2.

MOLINE SCHOOL DISTRICT NO. 40

MOLINE HIGH SCHOOL 3600 Avenue of the Cities, Moline, IL 61265 (309)743-1624

COOP / INTERNSHIP APPLICATION

Program Choice: ____ Business Internship ____ Diversified Occupations
Mr. Dan Byrne, Business, B323

Step 1: Student should complete this hard copy application and register online.
Step 2: Parents signature and Counselor signature.
Step 3: Return to the teacher.

Check the corresponding box for registration: Grade in school 2025-2026

____	1st and 2nd Semester	____ Senior	____ Junior	
____	1st Semester only	____ Senior	____ Junior	
____	2nd Semester only	____ Senior	____ Junior	

Student Information:

Name: _____ Address: _____

City: _____ Phone: _____

Parent / Guardian Information:

Name: _____ Phone: _____

Name: _____ Phone: _____

Attendance / Discipline 2025-2026:

____ Days Absent

____ Number of times Tardy

____ Number of Referrals

Work Availability:

Will you have a car to drive to work? _____

Will you have a valid driver's license? _____

Do you currently have a job? _____

Where: _____

Parent / Guardian Permission:
I give permission for my son / daughter to enroll in a cooperative education program. I authorize that former employers may be contacted. I understand that my student may earn a grade for his / her work experience. I verify that the information on this application is accurate.

Signature: _____ Date: _____

Counselor Recommendation:

Signature: _____Date: _____

Comments: _____

Teacher Recommendation:

Signature: _____Date: _____

Comments: _____

Serving the communities of Moline and Coal Valley

NOTICE OF NONDISCRIMINATION PRACTICES

The Moline/Coal Valley Public Schools District No. 40 does not discriminate against employees, students or the general public in its programs or practices on the basis of race, color, religion, sex, disability, age, marital status, citizenship status, military status, unfavorable discharge from the military service, national origin or ancestry in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, any individual who is in need of assistance or reasonable accommodations to be able to participate in a school district-related activity, including the employment applications or interview process, should contact the Assistant Superintendent Pupil/Personnel Services and Special Education Services at the District administrative offices. Any individual who wishes to file a complaint of unlawful discrimination should contact the Superintendent of Schools or the Secretary of the Board of Education at the District administrative offices, 1619 Eleventh Avenue, Moline, Illinois 61265.