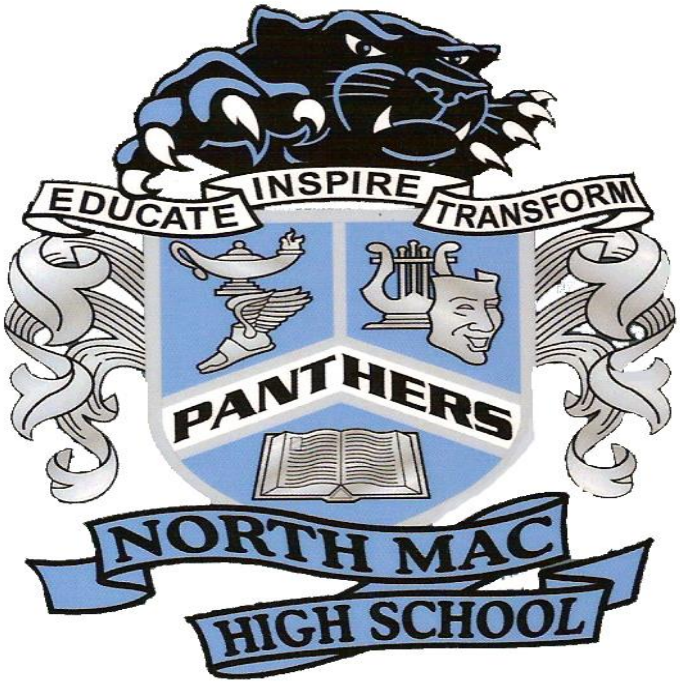
North Mac High School



Course Descriptions

2021 – 2022

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ENGLISH

FINE ARTS

NORTH MAC HIGH SCHOOL
2021 - 2022 REGISTRATION

General Instructions

Course descriptions are provided for your informational purposes and to assist students and parents registering for classes at North Mac High School. Questions concerning any course, prerequisite for a course, or course sequence, can be answered by the instructor or high school counselor. Questions concerning regulations, policies, or laws governing curriculum should be directed to the administration.

Students and parents are encouraged to work together during the process of selecting classes. All students will log on to his or her online Skyward account and register for those courses at school with the high school counselor. The window for selecting classes will be open for a week after that meeting so parents can review the courses and make additions or changes.

PREREQUISITES: Some classes have prerequisites. Prerequisites are courses or grade requirements needed before a student may register for a particular class. Such requirements are in place to prevent a student from taking a class for which he or she is not prepared and, consequently, would not have the background or experience to draw upon in order to pass the course.

REQUIREMENTS FOR GRADUATION

26 total credits in the following areas:

- 4 years of English (2 courses focused in writing)
- 3 years of Math (Algebra I and Geometry)
- 3 years of Science (Biology I)
- 3 years of Social Studies (Social Studies, US History, semester of American Government-Civics)
- Semester of Consumer Education
- Semester of Health
- Semester of Driver's Education
- 4 years of Physical Education
- Electives to equal 26 credits

Honors Curriculum

The objective of the honors curriculum is to promote the rigorous study of certain courses. Students in the honors courses should be willing (and will be required) to do college-prep level work. Courses included in the Honors Curriculum are:

College Prep English I
College Prep English II
College Prep English III
College Prep English IV
College Prep Algebra I
College Prep Geometry
College Prep Algebra II
Pre-Calculus
AP Statistics
AP Calculus
AP United States History
Honors Band
Human Anatomy / Physiology
Chemistry II
Microbiology
Genetics
Physics
Spanish III
Spanish IV
French III
French IV

Recommended Four Year Plan for North Mac Students

Below is a suggested four year plan for North Mac students. This plan will prepare students for college, trade school, military, or the workforce after successful completion of high school.

FRESHMEN YEAR

1. English I / CP English I
2. Algebra I / CP Algebra I or Geometry / CP Geometry
3. Biology I
4. Social Studies
5. Drivers Ed / 3 Quarters of Study Hall
6. PE
7. Health / Semester Elective Class
8. Elective

SOPHOMORE YEAR

1. English II / CP English II
2. Geometry / CP Geometry or Algebra II / CP Algebra II
3. Earth Science / Chemistry I
4. Social Studies (if not taken as freshmen)
5. PE
6. Elective
7. Elective
8. Elective

JUNIOR YEAR

1. English III / CP English III
2. Algebra II / CP Algebra II or Pre-Calculus
3. Chemistry I / Physics / Micro / Genetics
4. US History / AP US History
5. PE
6. Elective
7. Elective
8. Elective

CACC is also an option for Juniors and Seniors and allows students to earn 3 credits.

SENIOR YEAR

1. English IV / CP English IV
2. Math (highly recommended for college)
3. Science (highly recommended for college)
4. American Government-Civics / Consumer Education
5. PE
6. Elective
7. Elective
8. Elective

CACC is also an option for Juniors and Seniors and allows students to earn 3 credits.

Lincoln Land Community College Dual Credit Courses
The objective of a dual credit course is to provide students with a college level course during high school without the expense of the college credit. Students are required to do college-level work and will receive transferrable college credit. Dual credit courses offered at North Mac High School may include:

- Spanish III (8 credit hours)
- Spanish IV (4 credit hours)
- Horticulture Science (3 credit hours)
- Computer Applications (3 credit hours)

Lincoln Land Community College (Dual credit program)
Goals:

- To provide educational opportunities for high school students in the Lincoln Land Community College (LLCC) district;
- To enhance the current high school curriculum;
- To address students' unique interests, abilities, and attitudes;
- To prepare students for work and/or further educational endeavors; and
- To improve the transition of students from high school to college.

Guidelines:

- Courses are college-level courses and are of the same high quality, cover the same content, and have the same rigor as courses offered at the college's main or regional center campuses.
- Courses can be taken for college and high school credit.
- Students must enroll as LLCC students.
- Students will be subject to all LLCC placement, enrollment, grading, records, policies, and procedures.
- All instructors of dual credit courses must meet Illinois Community College Board (ICCB) and LLCC qualifications.
- Dual credit courses use LLCC textbooks and outlines (unless otherwise approved by an LLCC Dean).
- Students must meet all LLCC placement policies. Students enrolling in a composition course must have an SAT score of 480 or better in the writing/reading section or an ACT score of 18 or better in English. Students enrolling in a math course must have an SAT score of 530 or better in the math section or an ACT score of 22 or better in math.
- ACT Math or English composite score of 22 or higher, or students must achieve the appropriate LLCC placement score.
- Students who withdraw and receive (W) from their dual credit classes, should be aware there may be a negative impact on future financial aid.
- All dual credit courses are offered under the approval and supervision of Lincoln Land Community College. At times, changes may be made or courses discontinued based on the needs or recommendation of the college or the various departments.

Advanced Placement Program Courses
The Advanced Placement Program has enabled millions of students to take college-level courses and earn college credit, advanced placement, or both, while still in high school. AP Exams are given each year in May. Students who earn a qualifying score on an AP Exam are typically eligible to receive college credit and/or placement into advanced courses in college. Every aspect of AP course and exam development is the result of collaboration between AP teachers and college faculty. They work together to develop AP courses and exams, set scoring standards, and score the exams. College faculty review every AP teacher's course syllabus. Advance Placement courses offered at North Mac High School may include:

- AP Calculus
- AP Statistics
- AP United States History

AGRICULTURE

Agriculture Business **Grade: 10, 11, 12**
Prerequisite: None **Credit: ½ per semester**
This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Instructional units include: business ownership types, planning and organizing the agribusiness, financing the agribusiness, keeping and using records in an agribusiness, operating the agribusiness, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Other business topics taught will include: managing/budgeting money, balancing a checkbook, bank accounts, credit, insurance, taxes, creating a resume and cover letter, applying for jobs, interview skills, and careers within the business/agribusiness industry. *This course can count as a Science elective credit.*

Animal Science **Grade: 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
This course will develop students' understanding of the small and companion animal industry, livestock and equine science, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technician, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. *This course can count as a Science elective credit.*

Food Science Technology **Grade: 10, 11, 12**
Prerequisite: Biology I **Credit: ½ per semester**
This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include: principles of food preservation, food processing and marketing, equipment care and sanitation, food selection and consumer trends, and food science careers. *This course can count as a Science elective credit.*

Horticulture Science (HRT 102 – LLCC Dual Credit) **Grade: 11, 12**
Prerequisite: None **Credit: 1 per year**
This course focuses on the greenhouse management, floral design and related segments for the horticulture industry. Many units of study include floriculture plant identification, greenhouse structures, basic plant anatomy, and the culture of greenhouse crops. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral business. *This course can count as a Science elective credit.*

Introduction to the Agriculture Industry **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; and the types of job opportunities in the agricultural field. Basic concepts in animal science, horticulture science, agronomy, equine science, dairy products and industry, and agricultural mechanics will be discussed. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is highly recommended during this course for leadership development, career exploration, and reinforcement of academic concepts.

BUSINESS

Accounting I **Grade: 11, 12**
Prerequisite: None **Credit: 1 per year**
This course presents the double-entry bookkeeping system. Students will learn the full accounting cycle, and in doing so, analyze and record business transactions, use journals and ledgers in order to prepare financial statements. Students will complete a final project.

Accounting II **Grade: 12**
Prerequisite: Accounting I **Credit: 1 per year**
A continuation of Accounting I, Accounting II is an advanced automated course emphasizing accounting practices for a merchandising business as a corporation with adjustments and valuation. Additional accounting procedures are also incorporated. Students will complete a final project.

Advertisement & Document Design **Grade: 9, 10, 11, 12**
Prerequisite: Counselor Recommendation **Credit: 1 per year**
Students will have the responsibility of designing the yearbook and taking monthly photos at school events. Professional publication design will be the main focus of the course. Students will gain entry-level and intermediate skills to produce professional documents incorporating the basic elements of layout and design. In preparation for designing the yearbook, students will produce documents such as flyers, brochures, and newsletters for both personal and business use. Skills learned throughout the course with contribute to the production and sale of the school yearbook.

Basic Business **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
This course will give the student a thorough background in the basic record keeping skills used in business. The skills presented in this course will also serve as a sound background for employment and basic life skills. Students must take this class the first semester in order to participate in the business simulation that is presented in the second semester.

MEAN JEANS MANUFACTURING CO. is a modified, flow-of-work, business community simulation based on the operations of a small business community that includes 16 different businesses. All 16 businesses interact by doing business with each other and with businesses and individuals outside the model business community.

Computer Applications (Dual Credit) **Grade: 11, 12**
Prerequisite: None **Credit: 1 per year**
The focus of this course will be the extensive study of Microsoft Word, Microsoft Excel, Microsoft Access, and Microsoft Power Point. This course includes the study of commands, formulas, and basic functions of spreadsheets as well as an introduction to database management concepts and the various methods of organizing data. This hands-on course will provide numerous activities and applications for students enhancing learning and providing them with tools for personal, school, and career projects.

Computer Applications is a transferable dual credit course which will fulfill the General Education technology course requirement in most Illinois community colleges.

Computer Programming **Grade: 11, 12**
Prerequisite: Introduction to Computer Science **Credit: ½ per semester**
Students will be introduced to the fundamental skills of problem solving and programming. The class provides an introduction to writing instructions that direct the activity of computers. The course uses the programming language, Visual Basic. Visual Basic 2012 streamlines the development of applications for Windows based computers. Concepts studied are structured programming, debugging, and the use of numeric and string functions.

Consumer Education **Grade: 12**
Prerequisite: Counselor recommendation for any student not a senior **Credit: ½ per semester**

Successful completion of Consumer Education is a graduation requirement in the state of Illinois. Required topics include:

- understanding the basic concepts of financial literacy, including consumer debt and installment purchasing (including credit scoring, managing credit debt, and completing a loan application);
- budgeting, savings and investing'
- banking (including balancing a checkbook, opening a deposit account, and the use of interest rates);
- understanding simple contracts;
- state and federal income taxes;
- personal insurance policies;
- the comparison of prices;
- higher education student loans;
- identity-theft security;
- homeownership (including the basic process of obtaining a mortgage and the concepts of fixed and adjustable rate mortgages, subprime loans, and predatory lending); and,
- understanding the roles of consumers interacting with agriculture, business, labor unions and government in formulating and achieving the goals of the mixed free enterprise system.

Keyboarding and Document Formatting **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: ½ per semester**

Students will learn, using the QWERTY home row keyboarding method technique, to type from printed, handwritten, and corrected copy. Students will learn using Microsoft Word, to create business oriented documents, mail merge, flyers, labels, and various topics to successfully certify in Microsoft Word 2019.

Introduction of Computer Science **Grade: 9, 10**
Prerequisite: None **Credit: ½ per semester**

This course teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem solving skills. Students will program in Java, learn basic programming concepts, study graphics, data structures, animation and games. Students will design and develop an interactive virtual environment and animation using the Alice 3 interface.

Law and Marketing **Grade: 11, 12**
Prerequisite: None **Credit: 1 per year**

This course will spend first semester focusing on **Personal and Business Law.** Topics include contracts, the U.S. legal system (crimes, torts, law enforcement, and the court system), bailment, employee-employer relationships, buying and selling goods, real and personal property, wills and estate planning, product liability and warranties, debtor and creditor rights, and bankruptcy. The course content will enable the students to be knowledgeable about law as it affects citizens. Students will apply the law through debates and discussions.

Second semester of Marketing and Law will focus on **Sports and Entertainment Marketing.** This course covers the foundations and functions of marketing. It approaches marketing as an integrated set of tasks (functions), built on a solid set of foundations (economics, finance, career preparation). Students will learn about the various functions of marketing as it relates to sports and entertainment, but also discover how each function fits with the others. The projects and activities cover a wide variety of teams and artists. Topics covered will include college and amateur sports, professional sports, marketing products and services through sports, public images, sports marketing, entertainment industry, marketing entertainment, recreation marketing, marketing plans, and legal issues for sports and entertainment. Students will complete a project that includes making a business plan and building a marketing prototype.

Video Production **Grade: 11, 12**
Prerequisite: None **Credit: ½ per semester**
This course introduces students to the creation and manipulation of digital videos using the video editing software program called Adobe Premiere Elements 13.0. Sophisticated and professional video presentations will be developed throughout the semester. The course is designed to provide hands-on experience in editing and filming. By the end of the semester, students will be familiar with video editing and will be able to create short videos utilizing basic capture and editing techniques. Students will experience real world work conditions such as meeting deadlines and working cooperatively in teams to prepare, record, and present video projects. Students will also be required to film various school events as well as film outside of school.

Web Design and Programming **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
Hands-on introduction to the basic concepts of the World Wide Web, principles and tools used to develop Web applications using HTML, CSS, and JavaScript. Students will use online web tools to practice web coding. Students will design and develop a website.
Second semester students will learn to program using a website editor such as Microsoft Expressions. Students will design and develop a website

CAPITAL AREA CAREER CENTER (CACC)

Capital Area Career Center (CACC) **Grade: 11, 12**
Prerequisite: Application, acceptance and on-track for graduation **Credit: 3 per year**
Acceptance Criteria: Good Attendance, Positive Discipline Record, Demonstrated Commitment to Career Studies, High Level of Personal and Academic Responsibility

Capital Area Career Center gives students the opportunity to pursue career options, enhance employability skills, transition into employment, and prepare for lifelong learning. College credit is available in many of the programs. Students interested in attending must complete an application during registration sophomore year. All course descriptions were provided by CACC.

CAREER PROGRAMS

Agricultural and Industrial Mechanics I **Dual Credit: No**
Prerequisite: None **Certification: None**
This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques. Careers such as agricultural equipment salesperson, mechanic, parts manager, sales manager, service technician, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Agricultural and Industrial Mechanics II **Dual Credit: Yes**
Prerequisite: Completion of Agricultural and Industrial Mechanics I **Certification: OHSA**
This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, construction, fabrication, maintenance, welding, electricity /electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Audio/Video Production I **Dual Credit: No**
Prerequisite: None **Certification: None**
This course is designed to provide students with the skills needed for a career in the technical aspects of radio and television broadcasting. Instruction includes camera operations, basic audio and video editing, sound and lighting techniques, and sound mixing. Students learn the operation, maintenance, and repair of video and DVD recording equipment, video/digital cameras, microphones, computers, lighting/grip equipment, and other production equipment used in the video and audio production of television programs. Students also learn to use, maintain, and repair various types of audio recorders, amplifiers, transmitters, receivers, microphones, and sound mixers to record and broadcast radio programs.

Audio/Video Production II **Dual Credit: No**
Prerequisite: Completion of Audio/Video Production I **Certification: None**
This course is for students who have completed Audio/Video Production I. In addition to expanding on the activities explored in the first course, students work in a team-based environment to create a variety of video and audio related broadcasts. Instruction includes single and multi-camera operations, linear and nonlinear video editing, production and post-production processes, animation graphics, sound mixing, multi-track production, audio editing, and special effects. Students learn how to use digital editing equipment and software to electronically cut and paste video and sound segments together, as well as how to regulate and monitor signal strength, volume, sound quality, brightness, and clarity of outgoing signals. This course also provides students with an understanding of the FCC and other governmental agencies' regulations related to radio and television broadcasting.

Automotive Technology and Servicing I **Dual Credit: Yes**
Prerequisite: None **Certification: ASE**
This course introduces students to the basic skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical system, integrated computer systems, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling system, braking, and power train.

Automotive Technology and Servicing II **Dual Credit: Yes**
Prerequisite: Completion of Automotive Technology & Servicing I **Certification: ASE**
This course is a continuation of and builds on the skills and concepts introduced in Automotive Technician I. This course includes instructional units in alternative fuel systems, computerized diagnostics, new vehicle servicing, automotive heating and air conditioning, transmissions, testing and diagnostics, drive train and overall automobile performance.

Building Trades I **Dual Credit: Pending**
Prerequisite: **Certification: NCCER**
This course provides experiences related to the erection, installation, and maintenance of residential buildings and related fixtures. Planned learning activities allow students to understand fundamental principles and methods, and develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, local, state, and national codes, cost estimating, and blueprint reading.

Building Trades II **Dual Credit: Pending**
Prerequisite: Completion of Building Trades I **Certification:OHSA,NCCER**
This course provides learning experiences related to the erection, installation, maintenance, and repair of building structures and related utilities. Student technical skill experiences include instruction and activities in safety principles and practices, performing maintenance control functions, joining pipes, building water distribution lines and drains, installing and maintaining plumbing fixtures and systems, installing switch and outlet boxes, light fixtures, service entrances, roughing in and trimming out electrical devices and appliances, preparing foundations and footings, constructing residential chimneys and fireplaces, laying, jointing and pointing brick, and advanced building and construction methods and codes. All learning experiences are designed to allow the student to acquire job-entry skills and knowledge.

Collision Repair I **Dual Credit: Yes**
Prerequisite: None **Certification: ASE**
This course provides learning experiences designed to allow students to gain knowledge and skills in repairing automotive bodies and fenders. Planned learning activities in this course are balanced to allow students to become knowledgeable in the fundamental aspects of auto body repair methods and techniques, and to develop practical skills in the basic operations required to prepare the automobile for final paint application. Instruction emphasizes safety principles and practices, hazardous materials, auto body nomenclature, function of individual components, the use of parts manuals, the identification of replacement parts, the use of auto body fillers, the use of plastic/glass fillers and special body repair tools, refinishing problems, and paint preparation procedures. Practical activities relate to experiences in writing and calculating damage estimates, removing and installing body panels, trim, and glass; straightening by using hammers, bucks, and jacks; and smoothing by filing, grinding, and using fillers. Students also learn to prime the area to be painted and prepare the surface for final paint application. These experiences and skills are related to metal, fiberglass, or urethane components.

Collision Repair II **Dual Credit: Yes**
Prerequisite: Completion of Collision Repair I **Certification: ASE, OHSA**
This course provides learning experiences designed to further enhance the students' skills in performing more advanced tasks related to automotive body and fender repair. Learning activities in this course emphasize the successful application of the final paint coat and the preparation that precedes it. Emphasis is also placed upon the identification and correction of imperfections and finish buffing of the final coat. Student learning activities include instruction in safety principles and practices, hazardous materials, types and qualities of paints, colors, and refinishing problems; glass standards and installation, special alignment techniques, customer relations, damage estimating, and insurance adjustments. Student practical activities relate to experiences in estimating collision damage costs, preparing customer bills, removing and replacing glass surfaces, selecting paints, repainting minor and major damages, repainting total car body, drying or baking painted surfaces, post-paint cleanup, and post-paint polishing.

Cosmetology I **Dual Credit: No**
Prerequisite: None **Certification:Hours Needed**
The Cosmetology 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. Cosmetology I provides introduces students to the requirements to become a licensed cosmetologist. It offers students instruction in both theory and practical application in the following areas: tools and their use, shampoo, understanding chemicals and use, types of hair, sanitation, hygiene, skin diseases and conditions, anatomy and physiology, electricity, ethics, nail technology and esthetics 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 Cosmetology II while earning hours towards licensure.

Cosmetology II **Dual Credit: No**
Prerequisite: Completion of Cosmetology I **Certification:Hours Needed**
The Cosmetology 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. Cosmetology II will build upon the knowledge and skills attained in Cosmetology I and will provide instruction, which may be a combination of classroom instruction and hands-on experience in the following areas: practical chemical application /hair treatment, hair styling/hairdressing, and shop management, sanitation and interpersonal relations as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Instruction may also include instruction in nail technology, esthetics, Individualized skill development, and career planning. This course offers a curriculum of advanced theoretical and practical skill development to prepare students for the cosmetology licensure examination and progression to obtain the 1500 hours of study in cosmetology.

Culinary Arts I **Dual Credit: No**
Prerequisite: None **Certification: ServSafe Food Handlers**

This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry-recognized sanitation exam. Classroom experiences will develop skills to work in the front of the house, back of the house, and work stations. Additional content may include: event planning, customer service and relations, food service styles, baking and pastry arts, hors d'oeuveres, and breakfast cookery. Students will be provided opportunity training experiences on commercial equipment.

Culinary Arts II **Dual Credit: Pending**
Prerequisite: Completion of Culinary Arts I **Certification: ServSafe Food Handlers**

Culinary Occupations II places special emphasis for students to develop operational management skills - including design and organization of food service systems in a variety of settings, human relations, and personnel training and supervision. Additional topics include: food cost accounting; taking inventory; advertising; monitoring consumer and industry trends; and individualized mastery of culinary techniques. Training experiences involve equipment and facilities simulating those found in business and industry.

Early Childhood I **Dual Credit: No**
Prerequisite: None **Certification: CPR, ECE**

This course prepares students to guide the development of young children in an educational setting through classroom and job shadowing experiences. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. Students will research the requirements of early childhood education careers and develop/expand their career portfolio.

Early Childhood II **Dual Credit: No**
Prerequisite: Completion of Early Childhood I **Certification: CPR, ECE**

This course prepares students to guide the development of young children in an educational setting through classroom and job shadowing experiences. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. Students will research the requirements of early childhood education careers and develop/expand their career portfolio.

Electronics and Engineering I **Dual Credit: No**
Prerequisite: None **Certification: None**

This course introduces students to the skills needed to service, repair, and replace a wide range of equipment associated with automated or instrument controlled manufacturing processes. Planned learning activities in this course allow students to become more knowledgeable in the fundamental principles and theories of electrical/electronic and hydraulic/pneumatic equipment as applied to instrumentation devices and digitally encoded radio equipment. Instruction also includes safety principles and practices, semi-conductors and transistor theory, electrical parameters and circuits, electronic component function and identification, and the use and care of related hand tools, power tools, and test equipment.

Electronics and Engineering II **Dual Credit: No**
Prerequisite: Completion of Electronic and Engineering I **Certification: None**

This course provides planned learning activities designed to allow students to gain knowledge and skills in testing, maintaining, and repairing electronic equipment and systems used in the manufacturing industry. Learning activities in this course emphasizes the development of more advanced knowledge and skills than those provided in Industrial Electronics I. Skills introduced in this course include instruction in the interpretation

of technical sketches, schematics, and circuit diagrams. Additional units of instruction include the identification and causes of equipment malfunctions, the repair and replacement of parts and equipment, the care and use of standard tools, equipment, and specialized instrumentation testing devices.

Emergency Medical Technician **Dual Credit: Pending**
Prerequisite: Seniors Only **Certification: CPR, EMT-B**
Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses should also cover the legal and ethical responsibilities involved in dealing with medical emergencies. The Illinois Department of Public Health approves EMT training programs in the State of Illinois. Approved programs must meet or exceed the National Emergency Medical Services Education Standards for the Emergency Medical Technician and meet all other applicable requirements contained in 77 Illinois Administrative Code Part 515. To become licensed as an EMT-B in the State of Illinois or nationally certified, the student must be 18 years of age, complete a state-approved EMT program, have a current CPR-BLS for "Healthcare Provider" or equivalent credential, and pass the National Registry of Emergency Medical Technicians examination (required for national certification) or the Illinois Department of Public Health's EMT-B examination. *NOTE: Must pass a 10-panel drug test.*

Fire Science **Dual Credit: Pending**
Prerequisite: None **Certification: No**
This course is designed to provide students with the 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. Instruction includes the physical characteristics of fire as well as general safety practices, basic fire behavior, and extinguishing principles. Students learn rescue and extrication procedures, types and use of ground ladders, proper ventilation techniques, and appropriate use of various water supply systems, and how to use ropes and tie knots. Students also learn basic emergency medical techniques and practices which include medical-legal considerations, terminology, airway management, patient assessment and transportation, and emergency treatment.

Graphic Arts I **Dual Credit: No**
Prerequisite: None **Certification: None**
Graphic Arts I provides learning experiences common to all graphic communications occupations. Instruction should include use of color, balance and proportion in design; three-dimensional visualization; sketching; design procedures; layout; selection of type styles; selection of appropriate drawing tools and media; and the use of the computer as a communication tool. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to the graphic arts industry.

Graphic Arts II **Dual Credit: No**
Prerequisite: Completion of Graphic Arts I **Certification: None**
Graphic Art II provides learning experiences related to the tools, materials, processes and practices utilized in the printing industry. Instruction is provided in industrial safety; stencil preparation and duplicating equipment operation; print screen preparation and printing; machine typesetting; ink and color preparation; assembly, binding, and trimming operations; layout, digital paste up and copy preparation. In addition, the course provides the student with learning experiences in the use of cameras and photographic equipment, development and processing of photographic negatives and prints, negative stripping and related platemaking procedures, photocomposition, photoengraving, lithography, and offset presswork. Use of the computer in graphic arts occupations should be emphasized.

HVAC and Electrical System Technology I **Dual Credit: Pending**
Prerequisite: None **Certification: EPA 608**

This course is an introduction to the principles and practices employed in the installation, maintenance, and repair of basic air conditioning, heating systems, and basic electrical systems. Instruction is provided in safety precautions related to electricity, heating units, rotating machinery, refrigerants, and the use of power tools. Instruction includes basic electrical concepts, circuits, transformers, motors and motor controls, and circuit protection devices. Emphasis is also placed on basic refrigeration principles, gas laws, pressure, fluidics, heat and heat transfer, refrigerants, compressors, lubrication systems, electrical theory and circuit design and operation. Activities include experiences in using hand tools, gauges, and test instruments used in both the HVAC and electrical field. Other activities included reaming, flaring, swaging, bending, soldering, and brazing copper tubing; evacuating and charging refrigeration systems, and inspecting and testing electrical and air conditioning circuits and component parts. Employment readiness heat pump operation, installation and service certification, and employment readiness gas heating certification.

HVAC and Electrical System Technology II **Dual Credit: Pending**
Prerequisite: Completion of HVAC and Electrical System Technology I **Certifcation: EPA 608, OHSA**

This course builds on the foundational skills introduced in HVAC and Electrical System Technology I. Students learn the mechanics and electrical fundamentals needed to work as a HVACR technician and/or electrician. Installation, maintenance, and repair of residential forced air heating systems, alternative energy sources, hydronic heating systems, heat pumps, and air conditioners are taught. The course will also cover advancing basic theory, multi-phase electricity, transmission and delivery systems, electronic and advanced motor controls, alarm and sensory systems, light commercial and industrial wiring, and advanced circuit design. Students continue to gain practical skills by working on trainers, mock-ups, and on-the-job projects.

Horticulture Production and Management **Dual Credit: No**
Prerequisite: None **Certification: OHSA**

This course offers instruction in both the greenhouse production and landscape areas of horticulture. Units of study include plant identification, greenhouse management, growing greenhouse crops, landscape design, installation, and maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

IT Networking and Cybersecurity I **Dual Credit: Yes**
Prerequisite: None **Certification: CompTIA**

This course provides an overview of current technology concepts and trends. It explores more fully computer security topics and the basic network, with a focus on understanding the most common threat types and implementing basic protection systems for device, data, and network protection. Professional ethics in the computer field will also be examined. Units of instruction will include; the key components of a computer network along with there main functions, the main security threats on today's technology, the different types of cybersecurity challenges that professionals are facing. Students will also learn best practices for a successful career in the field.

IT Networking and Cybersecurity II **Dual Credit: Yes**
Prerequisite: Completion of IT Networking & Cybersecurity I **Certification: GSEC**

IT Networking and Cybersecurity II is a skill-level course for students that have completed IT Networking and Cybersecurity I. Students will continue to build on the skills and concepts introduced in the first year. The course drives deeper into computer security topics and networks, with a focus on understanding the most common threat types and implementing basic protection systems for device, data, and network protection. Professional ethics in the computer field will also be examined. Units of instruction will include; the key components of a computer network along with there main functions, the main security threats on today's

technology, the different types of cybersecurity challenges that professionals are facing. Students will also learn best practices for a successful career in the field.

IT Operations and Programming I **Dual Credit: Pending**
Prerequisite: None **Certification: Python Entry-Level Programmer**

Computer Operations and Programming I is the first of two skill-level courses designed to develop computer programming and program design skills through the use of various programming languages such as Visual Basic, C#, Java, and other object-oriented languages. Students will be exposed to the fundamentals of system analysis and design (e.g. flowcharting, diagramming, system design and planning), and the systems development life cycle. Instruction will include basic programming tools that are common to many programming languages. These may include items such as input /output statements, constants, assignment statements, string and numeric variable types, conditional processing, and branching and looping control structures. Students will learn programming techniques such as counting, averaging, rounding, and generation of random numbers to develop a good programming technique. Students will apply what they learn to create programs and applications that solve real world business related problems. Students will create programs to store, locate and retrieve data.

IT Operations and Programming II **Dual Credit: Pending**
Prerequisite: Completion of IT Operations and Programming I **Certification: Python Associate Programmer**

Computer Operations and Programming II is a skill-level course for students who have completed Computer Operations and Programming I. Students will use procedural and object-oriented programming languages such as Visual Basic, C# and Java. Students will learn programming concepts such as inheritance and polymorphism, advanced data handling (pointers, arrays, strings, and files), and common algorithms (recursion, searching and sorting). Students will be able to write, compile, run, test, debug and modify programs and applications that solve real world problems. Problem examples may include tracking inventory, scheduling rooms and facilities, accessing information and performing calculations.

Law Enforcement I **Dual Credit: No**
Prerequisite: None **Certification: None**

This course is designed to prepare students to enter the fields of law enforcement and the criminal justice system. Instruction includes the history of law enforcement and the legal system, report writing and recordkeeping, criminal investigation techniques, and routine police procedures. Students 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 also includes patrolling techniques, private security operations, traffic investigations, and community relations.

Law Enforcement II **Dual Credit: No**
Prerequisite: Completion of Law Enforcement I **Certification: None**

This course provides experiences for students in basic investigative techniques for crimes against people and property. Learning activities emphasize the development of more advanced knowledge and skill than those provided in Law Enforcement I. Units of instruction include how to conduct a preliminary investigation and protect a crime scene, collect and preserve physical evidence including dusting latent prints, casting, fingerprint classification, and the use of portable crime laboratory equipment. Students learn how to conduct interviews, complete police reports, use police equipment, and testify in court. Instruction also includes traffic control, personal security, and law enforcement administration.

Medical Assistant **Dual Credit: No**
Prerequisite: None **Certification: CPR, Certified Clinical Medical Assistant**

Medical/Clerical Assisting course provides student development in a sequence of organized learning experiences and skills designed knowledge and skills that combine the medical and clerical fields. Students typically develop skills such as patient exam preparation, assessment of vital signs, routine lab procedures, medical transcription, financial accounting, patient and insurance company billing, and record -keeping. This course suggest common clerical duties which include answering phones; greeting patients/clients; handling mail, patient/client data files, and medical histories; ordering supplies; dealing with representatives from pharmaceutical companies and medical suppliers; and performing common clinical duties which include sterilizing instruments; preparing patients /clients for examination or treatment; taking temperatures, pulse, respiration, and blood pressure; measuring height and weight; performing routine laboratory procedures; and assisting the physician with patient/client examinations and treatment under the direction of the professional medical staff. In addition, the medical assistant should be able to understand the health problems of patients/clients, ethics and legal issues, human relationships, and interpersonal relationships.

Nursing Assistant **Dual Credit: NO**
Prerequisite: None **Certification: CPA, CNA**

The course is composed of a combination of subject matter and experiences designed to perform tasks of individuals receiving nursing services. The student learns those competencies needed to perform as a nurse assistant under the direction of the registered nurse. The units of instruction should include the role of the nurse assistant while covering general health care topics; medical terminology; patients /clients and their environment; special feeding techniques; psychological support and, in long-term and terminal illness, death and dying (e.g., chronically ill, children, new mothers, and so on); and all other basic nursing skills. Topics covered typically include normal growth and development; feeding, transporting patients, hygiene, and disease prevention; basic pharmacology; first aid and CPR; observing and reporting; care of equipment and supplies; doctor, nurse, and patient relationships and roles; procedure and policies; medical and professional ethics; and care of various kinds of patients. In order to have an approved nurse assistant program (one in which the students are eligible to sit for the certifying exam), the program must be approved by the Illinois Department of Public Health and meet all applicable requirements contained in 77 Illinois Administrative Code Part 395.
Note: Must have flu shot to attend clinicals.

Photography I **Dual Credit: No**
Prerequisite: None **Certification: None**

This course provides students with experiences related to the photography field including conventional and digital cameras. Planned experiences give students a clear and concise introduction in the following areas: safety and proper housekeeping of the photo studio, photography of visual and communicative discipline, constructing a usable cardboard camera and develop printing, learning basic terms, understanding how film /paperwork, proper exposure, working in the darkroom and knowing all necessary darkroom activities, safe use of photo chemicals, using dyes, and mounting and matting a completed photographic image. In addition, students are introduced to photographic terms, using light meters to measure natural and artificial lighting, using various lighting sources, manipulating basic backgrounds with different light sources, conducting shop operations, performing camera work, processing film and performing darkroom work on black and white and color film, printing photographic images, purchasing equipment and supplies, and the selection and use of cameras, film, lenses, accessories, tripods and filters.

Photography II **Dual Credit: No**
Prerequisite: Completion of Photography I **Certification: None**
This course provides learning experiences related to the tools, materials, processes and practices utilized in the photography industry including conventional and digital cameras. Instruction includes arranging photography sessions, selecting and using cameras, film, lenses, and accessories, calculating and setting shutter speed, preparing darkroom equipment, mixing chemicals, processing film both black and white and color, printing photographic images such as enlargements, sandwich negatives, and copying slides. In addition, Commercial Photography II provides students with a better understanding of photographic images and their application in design. Students shoot photographs specifically for design layouts and in the process develop a better visual language, enhancing photo selection and editing skills. Students learn to visualize not only the look of the design, but also the structure and form of the photographs they shoot.

Welding I **Dual Credit: Yes**
Prerequisite: None **Certification: None**
This course assists students in gaining knowledge and developing the basic skills needed to be successful in the welding industry. Units of instruction include stick, MIG and TIG welding, basic metallurgy, cutting metal using manual processes, plasma arc cutting, and oxy-acetylene cutting processes. Students in this class focus primarily on T-joints and lap welds in all positions. In addition, students learn the basics of blueprint reading, hand tools, precision measuring, layout, and basic shop operations.

Welding II **Dual Credit: Yes**
Prerequisite: Completion of Welding I **Certification: OHSA**
This course builds on the skills and concepts introduced in Welding Technology 1 and provides more in-depth skill development in various types of welding. Students will focus primarily on beveling, fit-up, and welding of groove welds in all positions using stick, TIG, and MIG welding processes. An introduction to spray transfer MIG, TIG aluminum, flux-core welding, open root processes, and the basics of pipe welding will be covered. Welding 2 students will be introduced to repair welding as well as basic fabrication techniques. Shop math will be covered more in-depth and will cover area, volume, material weight, and the use of the Pythagorean theory.

ENGLISH

College Prep English I (Honors) **Grade: 9**
Prerequisite: Grade of B or better in Honors Reading in 8th grade **Credit: 1 per year**
Students will experience a challenging academic environment that expands their reading, writing and communication skills through various effective strategies including classroom discussion and debate, collaborative group work, and writing to learn. Students will encounter various genres of literature and several styles of writing, with a *specific* emphasis placed on nonfiction texts as well as evidence based writing. Students will be expected to integrate technology into several project based learning assignments. These projects and the course as a whole will allow students to showcase their communication and critical thinking skills. Honor students will read independent novels in addition to the text taught in the classroom. They will achieve a high level of proficiency in academic writing, grammar, and vocabulary. Formal rhetoric and argument will be covered with a required research project, including cited sources and MLA format.
Any student receiving below a "C" average at semester will be evaluated to determine whether the student should continue in College Prep English I or be transferred to English I.

English I **Grade: 9**
Prerequisite: None **Credit: 1 per year**
Students will master formal literacy study by analyzing and interpreting reading selections to include the following non-fiction and fiction genres: short story, poetry, drama, novels, biography/autobiography, essays and speeches. Students will be provided with the opportunity to expand their knowledge of active reading strategies, the writing process, research skills, use of technology, listening, viewing and speaking skills. Students will connect course material and assignments to their own lives while demonstrating proficiency in the writing process through the production of narrative, expository and persuasive essays, and persuasive literary analysis. Formal rhetoric and argument will be introduced with a required research project, including cited sources and MLA format. Vocabulary and grammar instruction will be incorporated as needed.

College Prep English II (Honors) **Grade: 10**
Prerequisite: Grade of A in English I or a B or better in CP English I **Credit: 1 per year**
Student will experience a composition-focused class supported by intense literary student (both fiction and non-fiction). Students will be expected to integrate technology into projects and/or presentations. Honor students will read independent novels in addition to the text taught in the classroom. The study of formal rhetoric and argument will expand with a significant research project, including cited sources and MLA format. Various modes of composition for both the academic and workplace environments will be introduced and studied, and there will be a continued focus on correct grammatical usage, the formal writing process, and vocabulary knowledge. As an advanced course, the length of writings and readings will be more demanding, and the text complexity of the literature will prove more rigorous. **Any student receiving below a "C" average at semester will be evaluated to determine whether the student should continue in College Prep English II or be transferred to English II.**

English II **Grade: 10**
Prerequisite: Successful completion of English I or CP English I **Credit: 1 per year**
In English II, students will continue to apply the literary skills they have acquired as the works (both fiction and non-fiction) they read increase in difficulty. Development of writing skills in the narrative, persuasive, and expository genres will continue with increasing emphasis on the skills of developing an evidenced-based argument. Research skills and the research process will be reviewed and students will be required to produce a major research paper including cited sources and MLA format. Rhetorical analysis skills will continue to be stressed. Vocabulary will continue to be stressed to add to their already developing repertoire. Grammar will be incorporated as needed. The communication process and presentation skills, including proficiency with technology integration, will also be included in this course of study.

College Prep English III (Honors) **Grade: 11**
Prerequisite: Grade of A in English II or a B or better in CP English II **Credit: 1 per year**
This course presents an intense study of American literature from its infancy until contemporary times. Fiction, non-fiction, poetry, and drama selections written by significant American authors are studied. Students will pursue a concentrated study of the basic forms of writing in addition to producing a major research paper. Rhetorical analysis will be intensified in this course. Students will be expected to read independent novels in addition to the text taught in the classroom. Other skills this class will promote are college level vocabulary and writing style, listening and speaking skills, and integration of technology into projects and presentations. **Any student receiving below a "C" average at semester will be evaluated to determine whether the student should continue in College Prep English III or be transferred to English III.**

English III **Grade: 11**
Prerequisite: Successful completion of English II or CP English II **Credit: 1 per year**
In this course students will read and analyze various American fiction and non-fiction including the following genres: short story, poetry, drama, novels, biography/autobiography, essays and speeches. Students will also become familiar with the characteristics of 18th, 19th, and 20th century American literature. Student writing will be based upon literary analyses. Rhetorical study will continue. Reading, critical thinking, vocabulary, grammar, and composition will be emphasized throughout the year. A major research project utilizing the MLA format will be conducted.

College Prep English IV (Honors) **Grade: 12**
Prerequisite: Grade of A in English III or a B or better in CP English III **Credit: 1 per year**
This course introduces students to academic writing as a process of developing and supporting a thesis in an organized essay. Course topics include methods of invention, development, and organization; the elements of style, including the conventions of standard written English; and an introduction to research and documentation. Students write expository and argumentative essays based on analytical reading and critical thinking. Students write essays that demonstrate their ability to analyze and evaluate the ideas of others and integrate them into their own writing. The course reinforces student experience with the conventions of standard written English.

English IV **Grade: 12**
Prerequisite: Successful completion of English III or CP English III **Credit: 1 per year**
In this year-long course, students will study a variety of literature, including prose, poetry, and drama, (both fiction and non-fiction). Students will write a variety of essays based on critical analysis of their reading. Research skills will be honed as students conduct research and produce a major research paper. Rhetorical strategies will be refined, and grammar and vocabulary will continue to be emphasized.

Classical Mythology **Grades: 11, 12**
Prerequisite: None **Credit: 1 per year**
This is a year-long class in which students will study major Greek and Roman myths: those stories involving the Greek/Roman gods, goddesses, and heroes such as Zeus, Apollo, Hercules, etc. Students will examine not only the origins of the classic myths but also aspects such as the present-day influence of mythology. Students will embark upon a detailed study of Homer's *The Iliad* and *The Odyssey* in addition to touching on Norse and Egyptian mythologies to do a comparative study of the similarities between the cultures in which these stories emerged and the qualities and characteristics they admired. While all students will enjoy the course, it is of particular benefit to the college-bound students since a great deal of terminology in the arts, the sciences, medicine, and various other fields is derived from the myths of these ancient cultures.

Film as Literature **Grades: 11, 12**
Prerequisite: None **Credit: ½ per semester**
In this semester long course students will study film as a form of literature including the traditional literary elements of plot, setting, theme, conflict, and characterization, and film elements such as visual design, cinematography, musical score, acting, and the director's style. Students will view films with a critical eye to determine how they work and analyze each aspect of film with a literary eye to determine their message. Grades will be based on class discussions, homework, tests, and essays written over the films view in class. A writing assignment is included in which students must read a book and viewed the film adaptation, and then write a paper analyzing both.

Journalism **Grades: 10, 11, 12**
Prerequisite: Grade of B in English I or CP English I **Credit: 1 per year**
Students will be equipped with the knowledge and understanding of the principles and practice of journalism: how to gather facts through skillful interviewing and research, develop sources, craft welcoming leads and satisfying endings, and create news and feature articles that inform and engage readers. Each week the students will have the opportunity to use these learned skills to develop a paper for the high school including topics, but not limited to: Current Events, Sports, Principal/Superintendent Corner, Sports, and Entertainment.

Speech **Grade: 11, 12**
Prerequisite: None **Credit: ½ per semester**
Students will learn the fundamentals of public speaking with the focus on gaining confidence as an orator. Students will get experience giving informative, persuasive, special occasion, demonstrative, and impromptu speeches, as well as constructing speeches. Critical thinking and listening are required and class participation is a must.

FINE ARTS

Adobe Photo Shop **Grade: 11, 12**
Prerequisite: None **Credit: ½ per semester**
This course will explore beginning skills and knowledge in the use of Adobe Photo Shop Elements 9. Projects relate to creating advertisements, photo editing, photo manipulation and designing the yearbook cover. Discussions about possible career opportunities in graphic design will be integrated into the class.

Advanced Studio **Grade: 11, 12**
Prerequisite: successfully passed 4 semesters of art **Credit: ½ per semester**
This class will provide serious and motivated art students instruction in silk screen process, pottery wheel and glass fusing. Students will be allowed time to develop their own interests in more depth with the medium of their choice. This class is an opportunity for students considering a field in art to increase the breadth of their portfolio.

Art I **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: ½ per semester**
Students will complete a variety of projects in various mediums (clay, chalk, oil pastels, drawing pencil, acrylic paint and color pencil). Specific assignments include coiled clay vase, still life drawings, calligraphy, linoleum block printing, landscape acrylic painting, art history, and drawing in two point perspective.

Art II **Grade: 9, 10, 11, 12**
Prerequisite: Art I **Credit: ½ per semester**
Students will complete a variety of projects in various mediums. Specific projects include pen and ink drawing, scratch art, slab clay teapot, art history, acrylic painting, still life drawings and Styrofoam sculptures.

Art III **Grade: 10, 11, 12**
Prerequisite: Art I and Art II **Credit: ½ per semester**
Students will complete projects using the following mediums: acrylic paint, watercolor, chalk, oil pastels and clay. Assignments include oil pastel self-portrait, clay whistles, Op art, and still life drawings. This class will also do a project on various styles of art.

Art IV **Grade: 10, 11, 12**
Prerequisite: Art I, Art II and Art III **Credit: ½ per semester**
This course, again, uses a variety of materials and mediums. Students will do projects that include researching an artist, a clay and drawing realism project, still life drawings, a collage focusing on rhythm, and one student choice project.

Ceramics **Grade: 9, 10, 11, 12**
Prerequisite: one semester of art **Credit: ½ per semester**
This course will explore the clay techniques of coiling, slab building, and potter's wheel. Projects will focus on complex open ended problems, conceptual art, and functional art. Students will also explore various texture techniques including slip trailing and combing. The entire semester will be strictly spent working with clay.

Drawing & Painting **Grade: 10, 11, 12**
Prerequisite: two semesters of art **Credit: ½ per semester**
This class is designed for the student who wants to strictly work on drawing techniques with various mediums and learning various painting techniques. Watercolor, acrylic, and oil paint will be used. Paintings will include landscapes, floral, abstract, and portraits. Students will explore impressionism, expressionism, and abstract expressionism style within their painting assignments. Drawings will include realistic drawings, fantasy drawings, and still life.

Independent Art **Grade: 11, 12**
Prerequisite: must have completed 4 semesters of art (not Photoshop), had at least an B+ average in the 4 semesters of art and permission of the instructor **Credit: ½ per semester**
This course is designed for the self-motivated serious art student. Projects will be designed collaboratively with the student and teacher. Four to five projects will need to be completed per quarter or a total of eight to ten projects for the semester.

Band **Grade: 9, 10, 11, 12**
Prerequisites: Previous instrument study and / or consent of director **Credit: 1 per year**
Band is open to any student 9-12 who has an interest in learning instrumental music study. If the student has not been involved with the music department prior to joining, a meeting with the director is required.
The instrumental music program is designed to provide students with a variety of musical experiences in four (4) specific areas: marching band, concert band, pep band, and jazz band for students to gain a more thorough understanding and appreciation for all types of music; to achieve competency, artistry, and technical facility through the study and playing of a musical instrument; to instill a sense of pride and accomplishment in a team effort; to promote and encourage a sense of responsibility and self-discipline, and to encourage individual creativity through a more realistic understanding of the arts.

Marching Band performs throughout the year, with the primary focus during September and October. It performs in such events as football games, parades, and other related invitational events. Students are taught basic marching fundamentals including visual and audio commands, posture, physical, and mental coordination, teamwork, and the development of a positive self-image.

Concert band is a year-long (2 semester) organization, performing primarily from November through May, and specializes in traditional as well as contemporary band literature. Emphasis is placed on technical, expressive, and artistic selections. The band presents 2-3 major concerts per year in addition to commencement. When able, the band may perform outside the school environment such as board approved trips. Selected advanced students may elect to perform in various other activities, which include, but are not limited to: solo/ensemble contest, IMEA festivals, and honor band.

Pep Band utilizes all members of the concert band and performs at selected boys' and girls' basketball games.

Jazz Band is designed to teach students the fundamentals of jazz literature and the correlation with standard classical music. Jazz curriculum will be included within concert band. Rehearsals will be held outside of school if necessary. Students may choose to study a secondary instrument during Jazz band.

Chorus **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
Chorus is a full year performing group, and is open to anyone in high school who has interest in singing. It is also beneficial that the student has some prior music/vocal experience, although not mandatory. A student should be able to demonstrate an ability to read music, or have the desire to learn. Students will gain knowledge in the fundamentals of singing as a vocal ensemble, vocal techniques, proper breathing, diction, sight singing, ear training, rhythm and note reading. The chorus will perform at 2-3 major concerts per year, in addition to commencement. Attendance is a requirement for these performances. The chorus also performs at community events. As a group or individually, students may attend performances or workshops intended to build vocal skills and music appreciation. Individual students may elect to participate in other music events, such as IHSA solo/ensemble contest and IMEA festivals.

Honors Band (Honors) **Grade: 11, 12**
Prerequisites: Previous instrument study AND consent of director **Credit: 1 per year**

High School Honors Band is based on and structured around the *Illinois Fine Arts Standards* and the *National Standards for Music Education*. Students taking this course are provided with a balanced, comprehensive study of music through the marching, pep, jazz, and concert band program.

All band course requirements are implemented, in addition to an honors curriculum. This course **requires** both ensemble and solo activities, which are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, playing by ear, sight-reading, and researching music. Students develop the ability to understand and convey composers' intent in the performance of music.

A number of public performances will serve as a culmination of daily rehearsal and musical goals. Students are **required** to participate in performance opportunities outside of the school day that support and extend learning within the classroom.

This ensemble is open to students in grades 11 and 12, or as recommended by the band director. In order for a student to be accepted into the honors course, they must have written consent obtained at a meeting with the band director. This class will meet one period a day for the entire school year.

FOREIGN LANGUAGE

French II **Grade: 10, 11, 12**
Prerequisite: French I **Credit: 1 per year**
Fundamentals of grammar, vocabulary, and conversation are continued with greater emphasis on fluency. Advanced grammar instruction is included along with broadened vocabulary. Conversational and reading skills are emphasized. Some topics in French history will be addressed, along with greater detail of French geography and culture. Cultural focus broadens to include French-speaking nations of the world and individual French provinces.

French III (Honors) **Grade: 11, 12**
Prerequisite: French I and French II **Credit: 1 per year**
Conversational and practical French are perfected while exploring the history of France from the prehistoric cave paintings of Lascaux through the Middle Ages, the French Monarchy, and the Revolution and Democracy. This course will be presented almost entirely in the target language.

French IV (Honors) **Grade: 12**
Prerequisite: French I, French II and French III **Credit: 1 per year**
Practical French is practiced while exploring French literature and poetry from authors such as Victor Hugo, Alexandre Dumas, Gaston Leroux, and Sempé Goscinny. The primary focus will be on reading for comprehension and discussion. This course will be presented almost entirely in the target language.

Spanish I **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
Instruction includes written and oral work for the beginner in areas of grammar, reading, writing, culture, speaking, and listening comprehension. Conversations and partner work are included in the course.

Spanish II **Grade: 10, 11, 12**
Prerequisite: Spanish I **Credit: 1 per year**
Instruction includes written and oral work for the novice in the areas of reading, writing, grammar, culture, vocabulary, speaking, and listening comprehension. Conversations and partner work are included in the course.

Spanish III (Spanish 101 – LLCC dual credit) (Honors) **Grade: 11,12**
Prerequisites: Spanish I, Spanish II **Credit: 1 per year**
This course provides training in the basic conversational skills including listening to the spoken language with understanding, utilizing correct pronunciation and intonation and analyzing actual speech patterns necessary for effective communication. Once the aural-oral skills have been firmly established, the basic language structure is presented through reading and composition exercises that focus on the Hispanic world.

Spanish IV (Spanish 102 – LLCC dual credit) (Honors) **Grade: 12**
Prerequisites: Spanish I, Spanish II and Spanish III **Credit: 1 per year**
This course, taught in Spanish, allows students to continue development of basic structures, grammar and cultural awareness. Students are exposed to the Hispanic world through a selection of documentaries and cultural readings. The language concepts are recycled with a focus on expression of ideas. Readings are drawn from classical literature and cultural excerpts.

FRESHMAN / SOPHOMORE SEQUENCE

Driver Education **Grade: 9, 10, 11, 12**
Prerequisite: **Credit: ½ per semester**
Must successfully complete the previous two semesters of school work prior to eligibility for enrollment
Students must receive a passing grade in at least eight (8) courses during the previous two (2) semesters prior to enrolling in a driver education course.

Students who are absent (excused or unexcused) over the allotted days will have to retake the class and must repay the fee.

The fee for Driver Education will be paid each time a student takes the class. The fee must be paid before the student is allowed to drive with the instructor. NO EXCEPTIONS!

Open to: All residents of North Mac #34 who are acquiring or hold a current valid driver's license during the term of the course and who are at least 15 years old but have not reached 21 years of age.

**To obtain a passing grade in the classroom portion students will need to receive a letter grade of "C" or better.

Included in this course are guidelines set by the Illinois Secretary of State for acquiring a driving permit and obtaining an Illinois State Driver's License. This class also provides a variety of learning experiences for the purpose of helping students learn to use motor vehicles safely and efficiently.

The course includes classroom and lab experiences. The course is 9 weeks long and students receive a study hall for the other 9 weeks of the semester.

Health **Grade: 9, 10**
Prerequisite: None **Credit: ½ per semester**
The course will focus on teaching students concepts relating to health promotion, disease prevention, and strategies for living a healthy lifestyle. Students will analyze the influence of family, peers, culture, media, and technology on health behaviors. Students will also demonstrate the ability to access valid health information and evaluate products and services. Students will learn the importance of interpersonal communication skills and decision making skills as it relates to improved overall health and a reduction in health risks. They will participate in a two day training over the basic concepts of how to perform compressions only CPR and how to correctly use an AED.

MATHEMATICS

College Prep Algebra I (Honors) **Grade: 9**
Prerequisite: Grade of A in Pre-Algebra or Counselor Recommendation **Credit: 1 per year**
This course is the foundation of the math curriculum with a deeper level of understanding and an emphasis on critical thinking. Topics include solving equations and inequalities, functions, linear equations and graphs, systems of equations, exponents and polynomials, including factoring, and quadratic functions and equations.

Algebra I **Grade: 9,**
Prerequisite: None **Credit: 1 per year**
This course is the foundation of the math curriculum. Topics include solving equations and inequalities, functions, linear equations and graphs, pattern-finding, and systems of equations.

College Prep Geometry (Honors) **Grade: 9, 10**
Prerequisite: Grade of B or better in Alg I and Counselor Recommendation **Credit: 1 per year**
This course provides the fundamentals of points, lines, planes, and angles. We will cover proofs, logical reasoning, congruent polygons, coordinate geometry, basic trigonometry, and transformations. Algebraic skills are reviewed and strengthened as they are applied to geometric situations. Topics will be explored in depth, and some advanced topics added as time allows.

Geometry **Grade: 9, 10**
Prerequisite: Algebra I and Counselor Recommendation **Credit: 1 per year**
This course provides the fundamentals of points, lines, planes, and angles. We will cover proofs, logical reasoning congruent polygons, coordinate geometry, basic trigonometry, and transformations. Algebraic skills are reviewed and strengthened as they are applied to geometric situations.

College Prep Algebra II (Honors) **Grade: 10, 11, 12**
Prerequisites: Grade of A in Geometry or a B or better in CP Geometry **Credit: 1 per year**
This course will review some concepts from Algebra I, taking many to a deeper level of understanding. New topics will include matrices, advanced functions, complex numbers and introduction to pre-calculus and trigonometry topics. Several topics will be explored in greater depth than the standard Algebra II course. Furthermore, there will be a greater emphasis on modeling real-world scenarios, abstract problem solving, and critical thinking.

Algebra II **Grade: 10, 11, 12**
Prerequisites: Geometry **Credit: 1 per year**
This course will review some concepts from Algebra I, taking many to a deeper level of understanding. New topics will include matrices, advanced functions, conic sections, complex numbers, and introduction to pre-calculus and trigonometry topics.

Advanced Math **Grade: 11, 12**
Prerequisites: Counselor Recommendation **Credit: 1 per year**
Trigonometry/Algebra courses combine trigonometry and advanced algebra topics, and are usually intended for students who have attained Algebra I and Geometry objectives. Topics typically include right trigonometric and circular functions, inverse, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; and properties of higher degree equations.

Pre-Calculus (Honors) **Grade: 11, 12**
Prerequisite: Counselor Recommendation **Credit: 1 per year**
Pre-Calculus is a course that is designed to prepare students for Calculus, either in high school or college, and to make the connection from previous knowledge learned in Algebra I and II and Geometry. It is divided into two parts: 1) a deeper understanding of Algebra II concepts, and 2) Trigonometry. Topics of this course include (but are not limited to) the following: functions and graphs, equations and inequalities, polynomials and rational functions, and exponential and logarithmic functions, trigonometric functions and their applications, analytical trigonometry and analytical geometry (conic sections). ***Counselor Recommendation for any student not a junior or senior.***

Transitional Math - STEM **Grade: 12**
Prerequisites: Counselor Recommendation **Credit: 1 per year**
Math course framework built around essential algebraic competencies designed to prepare students for college and career pathways in areas such as: Science, Technology, Engineering, and Math or STEM which require advanced algebraic skills or calculus. Course design will enable students to transition directly into credit bearing college-level algebra courses. Students will engage in deepening conceptual understanding using algebra and mathematical applications of algebra and functions and how functions naturally arise using authentic modeling situations. The function families (linear, polynomial, rational, radical, and exponential) will be emphasized. Additionally, the course shall emphasize the eight mathematical practices, particularly modeling within the setting of authentic and contextualized applications, and upon completion, the student should be able to: demonstrate and justify both orally and in writing conceptual understanding of functions combined with advanced algebraic knowledge to solve complex, contextualized, multi-step problems in authentic settings.

Advanced Placement Calculus (Honors) **Grade: 12**
Prerequisite: Grade of B or better in Pre-Calc or Counselor Recommendation **Credit: 1 per year**
The AP Calculus course covers topics in differential and integral concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, to make connections amongst these representations. Students learn how to use technology to help solve problems, experiments, interpret results, and support conclusions.

Advanced Placement Statistics (Honors) **Grade: 12**
Prerequisite: Grade of A in Alg II or CP Alg II or Counselor Recommendation **Credit: 1 per year**
The AP Statistics course is equivalent to a one- semester introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

PHYSICAL EDUCATION

Activities Physical Education **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: 1 per year**

This course provides elementary through advanced physical skills in a variety of organized games and activities. Building social skills, including sportsmanship, is a priority of this physical education class. Grades are based on effort, attitude, and participation. A short written test will be given over each sport / activity in which the student participates. Activities will include basketball, dance, badminton, and a variety of other organized sports and activities. This course will also include beginning level fitness activities to include light jogging, walking, Pilates, and kickboxing. Students will be required to dress in the approved physical education uniform on a daily basis.

Fitness Physical Education **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: 1 per year**

This course will provide a weight lifting program, plyometric and agility training, and cardiovascular activities. This course is designed to improve the overall health and fitness for the student athlete or any student serious about lifetime fitness. Individual goal setting and personal responsibility will also be stressed. Grades are based on effort, attitude, and participation. Students will be required to dress in the approved physical education uniform on a daily basis. **This course is highly recommended for all student athletes.**

Exemption from Physical Education Requirement:

A student in grades 9-12 may submit a written request to the building principal to be excused from physical education courses for the reasons stated below:

Grades 9-12: Enrollment in a marching band program for credit (1st semester only)
Grades 11-12: Ongoing participation in an interscholastic athletic program (Opt out for a study hall)
Grades 11-12: Enrollment in academic classes that are required for admission to an institution of higher learning
Grades 11-12: Enrollment in academic classes that are required for graduation from high school, provided that failure to take such classes will result in the student being unable to graduate.

SCIENCE

Biology I **Grade: 9, 10, 11, 12**
Prerequisite: Counselor Recommendation **Credit: 1 per year**
Biology I is the first half of a two year study of the various topics in the life sciences. Topics include biological principles, cell structure, scientific method, ecology, genetics, botany, comparing plants and animals, and evolution. Students will learn basic laboratory skills, which includes the use of a microscope.

Chemistry I **Grade: 10, 11, 12**
Prerequisite: Counselor Recommendation **Credit: 1 per year**
This course includes observations, experiments, generalizations, and conclusions about composition of matter, stressing laboratory skills. Topics include properties of matter, atomic structure, compound formation, chemical reactions, stoichiometry and gas laws. Algebra is frequently used in problem solving. This course is an introductory course designed to prepare the college bound student for college chemistry courses. A calculator is required.

Chemistry II (Honors) **Grade: 11, 12**
Prerequisite: Grade of B or better in Chemistry I **Credit: ½ per semester**
This course is an extension of Chemistry I. Topics include liquids and solids, solutions, acids and bases, and chemical equilibrium. This course is designed to prepare the college bound student for college chemistry courses. A calculator is required.

Earth Science **Grade: 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
Earth and Space Science examines the characteristics of the planet. Topics include Earth's history, plate tectonics, minerals, the oceans, weather, climate, and Earth's resources. The space unit will focus on the moon and solar system and then branch out to encompass the galaxy and beyond.

Genetics (Honors) **Grade: 11, 12**
Prerequisite: None **Credit: ½ per semester**
This spring course is an in-depth look at how traits are passed from parent to offspring and also an introduction to biotechnology of DNA. It includes the study of Mendelian genetics using Punnett squares, as well as current topics of GMO, gene therapy and cloning. A research project and power point presentation of genetic diseases is required.

Human Anatomy & Physiology (Honors) **Grade: 12**
Prerequisite: Completion or or concurrent enrollment in Microbiology recommended **Credit: 1 per year**
This course is the study of the human body and is designed for upper level students. The content includes the following organ systems: skeletal, integumentary, muscular, digestive, respiratory, cardiovascular, nervous, endocrine, and reproductive. Lab work includes dissection of various organs such as an eye, brain, and heart, as well as a full organism. A field trip to study cadavers will also be included.

Microbiology (Honors) **Grade: 11, 12**
Prerequisite: None **Credit: ½ per semester**
This course is an in-depth look at the world of microbes. Students will be identifying bacteria and practicing bacteriological techniques. The emphasis of the course is on lab application which focuses on the study and investigation of bacteria found in/on food, soil, water, milk, and the human body, and will include the study of useful microbial activities. Discussions of harmful microorganisms, the diseases and conditions they cause, and the body's resistance and response to such activities are also stressed. It will provide students with the basic techniques for handling equipment and working safely with bacteria.

Physics (Honors) **Grade: 11, 12**
Prerequisite: Pre-Calculus or concurrent enrollment in Pre-Calculus **Credit: 1 per year**
Physics examines the relationships of matter and energy. This course will focus on conceptual, mathematical and observational knowledge of the physical world, incorporating labs, demonstrations and hands-on problem solving. The fall semester covers mechanics including motion, forces, work, energy, momentum, collisions, and projectiles. Spring semester continues with the study of matter, pressure, thermodynamics, waves, sound, electricity, light, color, quanta, and relativity.

SOCIAL STUDIES

20th Century American History **Grade: 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
This course will focus on the development of Modern American History from Immigration through the new millennium. Particular focus will be made on major conflicts throughout the world that the United States has participated in including World War I, World War II, the Korean War, the Vietnam War, the Gulf War and beyond. Students will discuss how events in the interim eras led to these conflicts and how Americans contributed to the cause abroad and at home. They will learn how these events influence our modern history and shape decisions made by our government today.

American Government – Civics **Grade: 12**
Prerequisite: Counselor recommendation for any student not a senior **Credit: ½ per semester**
Completion of this course with a passing grade will fulfill the state requirement for government. Units in this course presented through reading, lecture, worksheets, and special projects are designed to create a working knowledge of the Illinois and Federal governmental systems and their surrounding environments. The Illinois Constitution exam will be included in the curriculum and successfully passing it is required for graduation.

Economic and Current Events **Grade: 11, 12**
Prerequisite: None **Credit: ½ per semester**
Economics is the study of how scarce resources are allocated. The way people react to scarcity is studied through the use of economic models. Areas of study include the history of economic thought, current economic thought, current economic dilemmas, and macro and microeconomics. Current events activities assist students in exploring various sources and researching contemporary issues that affect our world.

Illinois History **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: ½ per semester**
This course will begin with the settlement of the Northwest Territory, focusing on the life in the Illinois area. History of the formation of the state will be presented with a focus on local history as well. Students will learn to utilize local resources in researching historical information about both our state and our region, and will learn the important role Illinois has played in the development of the United States from its beginnings as a territory, through the Civil War, to the present day.

Psychology **Grade: 11, 12**
Prerequisite: None **Credit: 1 per year**
This course is geared to the college bound student and is designed to provide the student with a background for the entry-level college psychology class. This class will cover the major concepts and theories which have influenced modern psychology. The student will become aware of the roles that biology, culture, and personal experiences play in shaping our personalities. Evaluation will be based on class participation, homework, quizzes, tests, research projects, and presentations.

Social Studies **Grade: 9, 10**
Prerequisite: None **Credit: 1 per year**
This course will explore the five major themes of geography (location, place, human-environment interaction, movement, regions) and their application to the world. Study of the Earth's physical features and the interesting ways humans interact with the environment will be covered within these themes. Emphasis will be placed on North America, Europe, and the emerging economic and cultural influences of Asia (i.e. China/India). Projects such as travel journals and raising awareness about global issues will enhance student learning of geography.

Sociology **Grade: 11, 12**
Prerequisite: None **Credit: 1 per year**
This is an introductory course into the study of sociology. This class will offer broad coverage of the major principles and concepts in sociology with examples and illustrations drawn for both non-literate and advanced societies with special emphasis being placed on the American social system, rising from the interactions of the groups. Emphasis will be placed on the concept of socialization, social interaction, social organization, culture, social institutions, and applied sociological principles. Requirements will include, but not be limited to, chapter projects and advanced written reports.

AP United States History **Grade: 11, 12**
Prerequisite: None **Credit: 1 per year**
This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials – their relevance to a given interpretive problem, reliability, and importance – and to weigh the evidence and interpretations presented in historical scholarship.

AP United States History is designed to prepare students for the rigor of scholarship and writing expected in college-level courses. Students study history as a series of interconnected events rather than as isolated dates, learning to critically analyze the cause and effect relationships of those events. As students progress through the course, they learn to find and assess primary documents as well as secondary sources. Finally, students learn to incorporate outside sources into persuasive essays that demonstrate logical reasoning and present evidence to support the author's conclusions.

United States History **Grade: 11**
Prerequisite: None **Credit: 1 per year**
The history of the United States is presented beginning from the American Revolution and continuing through the 1980s. Students will practice reading primary source material from each era, evaluating and analyzing its content and context. Additionally the required Federal Constitution Exam will be given in this course. Successfully passing the Constitution Exam is required for graduation.

Women in American History **Grade: 9, 10, 11, 12**
Prerequisite: None **Credit: ½ per semester**
This course will focus on women in American history from colonization to modern times. Students will study the impact of women on the history of our nation from early colonial contributions and scandals like the Salem Witch Trails through the Revolutionary War period. They will also learn the impact of women during wartime both on the battlefields and the home front in all of the United States' major conflicts, including the Civil War, World War I, and World War II. Additionally, they will follow the pioneering women of the Women's Rights and Suffrage movement from its inception in the 1840s through ratifications of the 19th Amendment in the 1910s to Women's Liberation in more modern times.

World History **Grade: 10, 11, 12**
Prerequisite: None **Credit: 1 per year**
This course provides a general survey of important historical events which have played a part in the development of today's world and cultures from ancient times until present-day. Topics may range widely across all aspects of the human experience including, economics, science, religion, philosophy, politics and law, military conflict, literature and the arts. The general purpose of the course is to develop within students a sense of historical perspective, including the ability to realize the importance of events as they happen in today's world. Students will refine their ability to read for comprehension and critical analysis; summarize, compare and evaluate information; write clearly and convincingly; and express facts and opinions orally.

MACOUPIN COUNTY CEO PROGRAM

CEO Program **Grade: 12**
Prerequisite: Application Approval **Credit: 2 per year**

This course covers the basics of conceptualizing, starting and running a small business. Concepts such as supply and demand, cost/benefit analysis, competitive advantage, and opportunity recognition will be covered. In addition, coursework will include: innovative thinking strategies, product development, business structure, marketing, financial strategies, and recordkeeping. Skills such as preparing an income statement, balance sheet, income, and cash flow statements will be covered. Entrepreneurial thinking (outside-the-box problem solving) will be utilized throughout the course. Students will learn from area business owners, visit area businesses, write business plans, and start their own businesses. Students also will have opportunities for job shadowing and business mentor relationships. Students will present their business plans to an advisory team. The course is built around the National Entrepreneurship Standards and is linked to the Illinois Learning Standards.

CORRESPONDENCE COURSES

Correspondence Courses **Grade: 9, 10, 11, 12**
Prerequisite: Application and approval (Handbook policy) **Credit: Varies**

A student may enroll in a correspondence course to receive high school for work completed, provided:

-The course is given by an institution accredited by the North Central Association of Colleges and Secondary Schools,
-The student assumes responsibility for all fees,
-The building principal or school counselor approves the course in advance, and
-A maximum for four (4) credits may be counted toward the requirements for a student's high school graduation (principal approval is required).

ON-LINE COLLEGE COURSES

On-Line Course **Grade: 11, 12**
Prerequisite: Approval of Counselor and/or Principal **Credit: ½ per semester**

A student enrolled in an online or virtual course, may receive high school credit for work completed provided:

-The course is offered by an institution approved by the superintendent or designee,
-The course is not offered at the student's high school,
-The student assumes responsibility for all fees (including tuition and textbooks), and
-The building principal or school counselor approves the course in advance.

Students may be limited as to the number of online courses that apply toward high school credit. Grades earned in approved online course count toward a student's grade point average, class rank, and eligibility for athletic and extracurricular activities. Students cannot drop a subject without the permission of the principal after the end of the third week of the semester without receiving a "W" grade.

WORK SKILLS

Work Skills **Grade: 12**
Prerequisite: Application, approval, and continuing employment **Credit: 3 per year**

The objective of this program is to assist students in the development and enhancement of employability skills while learning job responsibility and a strong work ethic. Students must maintain meaningful, outside employment; provide periodic work reports; and meet with the assigned school supervisor to earn credit. Previous school year attendance and discipline will be reviewed before granting approval.

NCAA CLEARINGHOUSE ELIGIBILITY

DIVISION I

If you enroll in a Division I college and want to participate in athletics or receive an athletic scholarship during your first year, you must:

1) Graduate from high school
2) Complete these 16 core courses:
   - ❖ 4 years of English
   - ❖ 3 years of Math (Algebra I or higher)
   - ❖ 2 years of Natural or Physical Science (including one year of lab science if offered by your high school
   - ❖ 1 extra year of English, Math, or Natural or Physical Science
   - ❖ 2 years of Social Science
   - ❖ 4 years of extra core courses (from any category above, or foreign language, nondoctrinal religion or philosophy)
3) Complete 10 core courses before your 7th semester of high school
4) Earn the minimum required grade-point average of 2.30 in your core courses: and
5) Earn an SAT combined score or ACT sum score matching your core courses GPA on the Division I sliding scale. The lower the SAT/ACT score, the higher core courses GPA you need to have to be eligible.

DIVISION II

If you enroll in a Division II college and want to participate in athletics or receive an athletic scholarship during your first year, you must:

1) Graduate from high school
2) Complete these 16 core courses:
   - ❖ 3 years of English
   - ❖ 2 years of Math (Algebra I or higher)
   - ❖ 2 years of Natural or Physical Science (including one year of lab science if offered by your high school
   - ❖ 3 additional years of English, Math, or Natural or Physical Science
   - ❖ 2 years of Social Science; and
   - ❖ 4 years of extra core courses (from any category above, or foreign language, comparative religion or philosophy)
4) Earn the minimum required grade-point average of 2.20 in your core courses: and
5) Earn an SAT combined score or ACT sum score matching your core courses GPA on the Division II sliding scale. The lower the SAT/ACT score, the higher core courses GPA you need to have to be eligible.

DIVISION III

Division III does not use the Eligibility Center. Contact your Division III College or University regarding its policies on admission, financial aid, practice, and competition.

FOR CURRENT UP TO DATE INFORMATION ON NCAA ELIGIBILITY – See NCAA.ORG

NORTH MAC HIGH SCHOOL REGISTRATION
FRESHMAN – CLASS of 2025
2021 – 2022 SCHOOL YEAR

REQUIRED

PHYSICAL EDUCATION
- Activities Physical Education
- Fitness Physical Education

ENGLISH
- English I
- College Prep English I

MATHEMATICS
- Algebra I
- College Prep Algebra I
- Geometry
- College Prep Geometry

SCIENCE
- Biology I

SOCIAL STUDIES
- Social Studies (9th or 10th)

DRIVER'S EDUCATION/ 3 QTRS OF STUDY HALL

HEALTH / SEMESTER ELECTIVE

ELECTIVE

ELECTIVE

Introduction to the Agriculture Industry

Advertisement & Document Design
Basic Business
Introduction to Computer Science
Keyboarding and Document Formatting
Web Design and Programming

Driver Education
Health

Art I
Art II
Ceramics (2nd semester only if you took Art I)

Spanish I

Illinois History
Women in American History

Band
Chorus

Study Hall

NORTH MAC HIGH SCHOOL REGISTRATION
SOPHOMORE – CLASS of 2024
2021 – 2022 SCHOOL YEAR

REQUIRED

PHYSICAL EDUCATION
- Activities Physical Education
- Fitness Physical Education

ENGLISH
- English II
- College Prep English II

MATHEMATICS
- Geometry
- College Prep Geometry
- Algebra II
- College Prep Algebra II

SCIENCE
- Chemistry I
- Earth Space

SOCIAL STUDIES
- Social Studies (9th or 10th)

HEALTH / DRIVER'S EDUCATION (9th or 10th)

ELECTIVE

ELECTIVE or STUDY HALL

ELECTIVE

Agriculture Business
Animal Science
Food Science Technology
Introduction to Agriculture

Advertisement & Document Design
Basic Business
Introduction to Computer Science
Keyboarding and Document Formatting
Web Design and Programming

Driver Education
Health

Journalism

Art I
Art II
Art III
Art IV
Ceramics (Must have taken 1 Art Class)
Drawing & Painting (Must have taken 2 Art Classes)

Band
Chorus

French II

Spanish I
Spanish II

20th Century American History
Illinois History
Women in American History
World History

Study Hall

NORTH MAC HIGH SCHOOL REGISTRATION
JUNIOR – CLASS of 2023
2021 – 2022 SCHOOL YEAR

REQUIRED

PHYSICAL EDUCATION
- Activities Physical Education
- Fitness Physical Education

ENGLISH
- English III
- College Prep English III

MATHEMATICS
- Algebra II
- College Prep Algebra II
- Advanced Math
- Pre–Calculus

SCIENCE
- Chemistry I
- Physics

SOCIAL STUDIES
- AP United States History
- United States History

ELECTIVE

ELECTIVE

ELECTIVE or STUDY HALL

ELECTIVES

Agriculture Business
Animal Science
Food Science Technology
Horticulture Science
Introduction to Agriculture

Accounting I
Advertisement & Document Design
Basic Business
Computer Applications
Computer Programming
Consumer Education
Keyboarding & Document Formatting
Law and Marketing
Video Production
Web Design and Programming

Classical Mythology
Film as Literature
Journalism
Speech

Adobe Photo Shop
Advanced Studio
Art I
Art II
Art III
Art IV
Ceramics (Must have taken 1 Art classes)
Drawing and Painting (Must have taken 2 art classes)
Independent Art

Band
Chorus
Honors Band

French II
French III

Spanish I
Spanish II
Spanish III

ELECTIVES

Chemistry II
Earth Science
Genetics
Microbiology

20th Century American History
Economic and Current Events
Illinois History
Psychology
Social Studies
Sociology
Women in American History
World History

Driver Education

CACC

On-Line College Course

Study Hall

NORTH MAC HIGH SCHOOL REGISTRATION
SENIOR – CLASS of 2022
2021 – 2022 SCHOOL YEAR

REQUIRED

PHYSICAL EDUCATION
Activities Physical Education
Fitness Physical Education

ENGLISH
English IV
College Prep English IV

SOCIAL STUDIES
American Government-Civics (1/2 year)

BUSINESS
Consumer Education (1/2 year)

ELECTIVE

ELECTIVE

ELECTIVE

ELECTIVE

ELECTIVE or STUDY HALL

ELECTIVE

Agriculture Business
Animal Science
Food Science Technology
Horticulture Science
Introduction to Agriculture

Accounting I
Accounting II
Advertisement & Document Design
Basic Business
Computer Applications
Computer Programming
Keyboarding & Document Formatting
Law and Marketing
Video Production
Web Design and Programming

Adobe Photo Shop
Advanced Studio
Art I
Art II
Art III
Art IV
Ceramics (Must have taken 1 Art Class)
Drawing and Painting (Must have taken 2 Art Classes)
Independent Art

French II
French III
French IV

Spanish I
Spanish II
Spanish III
Spanish IV

Band
Honors Band
Chorus

ELECTIVE

Classical Mythology
Film as Literature
Journalism
Intro to Literature: The Novel Lit
Speech

AP Calculus
AP Statistics
Pre–Calculus
Transitional Math – STEM

Chemistry I
Chemistry II
Earth Science
Genetics
Human Anatomy / Physiology
Microbiology
Physics

20th Century American History
AP United States History
Economic and Current Events
Illinois History
Psychology
Social Studies
Sociology
Women in American History
World History

Driver Education

CACC

CEO Program

On-Line College Courses

Work Skills

Study Hall

NORTH MAC HIGH SCHOOL
COURSEWORK PLANNING GUIDE

ENGLISH
4 years

College Prep English I
English I
College Prep English II
English II
College Prep English III
English III
College Prep English IV
English IV
Classical Mythology
Film as Literature
Journalism
Speech

MATHEMATICS
3 years

College Prep Algebra I
Algebra I
College Prep Geometry
Geometry
College Prep Algebra II
Algebra II
Advanced Math
Pre- Calculus
Transitional Math - STEM
AP Calculus
AP Statistics

SCIENCE
3 years

Biology I
Chemistry I
Chemistry II
Earth Science
Genetics
Human Anatomy / Physiology
Microbiology
Physics

SOCIAL STUDIES
3 years

20th Century American History
American Government - Civics
Economics & Current Events
Illinois History
Psychology
Social Studies
Sociology
AP United States History
United States History
Women In American History
World History

BUSINESS

Accounting I
Accounting II
Advertisement & Document Design
Basic Business
Computer Applications
Computer Programming
Consumer Education
Keyboarding & Document Formatting
Introduction to Computer Science
Law and Marketing
Video Production
Wed Design and Programming

AGRICULTURE

Agriculture Business
Animal Science
Food Science Technology
Horticulture Science
Introduction to Agriculture

FINE ARTS

Adobe Photo Shop
Advanced Studio
Art I
Art II
Art III
Art IV
Ceramics
Drawing & Painting
Independent Art

Band
Chorus
Honors Band

FOREIGN LANGUAGE

French II
French III
French IV

Spanish I
Spanish II
Spanish III
Spanish IV

MISCELLANEOUS

CACC

Driver Education

Health

Activities Physical Education

Fitness Physical Education

Work Skills

On-line College Courses

CEO Program

Study Hall